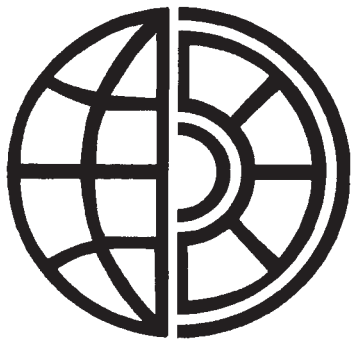




RID

Convention concerning International Carriage by Rail (COTIF)
Appendix C – Regulations concerning the International Carriage of Dangerous
Goods by Rail (RID)

With effect from 1 January 2013

This text replaces the requirements of 1 January 2011.

Note by the Secretariat of OTIF:

The following are RID Contracting States (as at 1 July 2012):

Albania, Algeria, Armenia, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Iran, Iraq, Ireland, Italy, Latvia, Lebanon, Liechtenstein, Lithuania, Luxembourg, former Yugoslav Republic of Macedonia, Monaco, Montenegro, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Syria, Tunisia, Turkey, United Kingdom, Ukraine.

Convention concerning International Carriage by Rail (COTIF)**Appendix C****Regulations concerning the International Carriage of Dangerous Goods by Rail (RID)****Article 1****Scope**

- § 1 This Regulation shall apply
- a) to the international carriage of dangerous goods by rail on the territory of the RID Contracting States,
 - b) to carriage complementary to carriage by rail to which the CIM Uniform Rules are applicable, subject to the international prescriptions governing carriage by another mode of transport,
- as well as the activities referred to by the Annex to this Regulation.
- § 2 Dangerous goods barred from carriage by the Annex must not be accepted for international carriage.

Article 1bis**Definitions**

For the purpose of this Regulation and its Annex, "RID Contracting State" means a Member State of the Organisation which has not made a declaration in respect of this Regulation in accordance with Article 42 § 1, first sentence, of the Convention.

Article 2**Exemptions**

This Regulation shall not apply, in whole or in part, to the carriage of dangerous goods for which an exemption is provided in the Annex. Exemptions may only be provided when the quantity or the nature of the exempted carriage of goods or the packaging would guarantee the safety of the carriage.

Article 3**Restrictions**

Each RID Contracting State shall retain the right to regulate or prohibit, for reasons other than safety during carriage, the international carriage of dangerous goods on its territory.

Article 4**Other prescriptions**

The carriage to which this Regulation applies shall remain subject to the national or international prescriptions applicable in general to the carriage of goods by rail.

Article 5**Type of trains allowed. Carriage as hand luggage, registered luggage or in or on board vehicles**

- § 1 Dangerous goods may only be carried in freight trains, except
- a) dangerous goods which are acceptable for carriage in accordance with the Annex complying with the relevant maximum quantities and the special conditions of carriage in trains other than freight trains;
 - b) dangerous goods which are carried, under the special conditions of the Annex, as hand luggage, registered luggage or in or on board vehicles within the meaning of Article 12 of the CIV Uniform Rules.
- § 2 Dangerous goods may only be taken as hand luggage or carried or be handed over for carriage as registered luggage or in or on board vehicles if they meet the special conditions of the Annex.

Article 6**Annex**

The Annex shall form an integral part of this Regulation.

* * *

The text of the Annex will be that drawn up by the Expert Committee for the Carriage of Dangerous Goods, at the time of entry into force of the Protocol of 3 June 1999 modifying the Convention concerning International Carriage by Rail (COTIF) of 9 May 1980, in accordance with Article 19 § 4 of the latter.

Note by the Secretariat of OTIF:

In the text that follows, "RID" refers to the Annex to Appendix C of COTIF in accordance with Article 6. In certain exceptional cases where the text of Appendix C reproduced above is referred to, reference will be made specifically to "Appendix C of COTIF" (e.g. in 1.1.2, 1.5.1.3, Chapter 7.7).

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Unofficial part of RID**Requirements for the testing of plastics receptacles**

1

Part 1 General requirements

Chapter 1.1 Scope and applicability

1.1.1 Structure

RID is grouped into seven parts. Each part is subdivided into chapters and each chapter into sections and sub-sections (see table of contents).

Within each part the number of the part is included with the numbers of the chapters, sections and sub-sections, for example Part 4, Chapter 2, Section 1 is numbered "4.2.1".

1.1.2 Scope

1.1.2.1 For the purposes of Article 1 of Appendix C, RID specifies:

- (a) dangerous goods which are barred from international carriage;
- (b) dangerous goods which are authorized for international carriage and the conditions attaching to them (including exemptions) particularly with regard to:
 - classification of goods, including classification criteria and relevant test methods;
 - use of packagings (including mixed packing);
 - use of tanks (including filling);
 - consignment procedures (including marking and labelling of packages and means of transport as well as documentation and information required);
 - requirements concerning the construction, testing and approval of packagings and tanks;
 - use of means of transport (including loading, mixed loading and unloading).

For carriage within the meaning of RID, in addition to Appendix C, the relevant provisions of the other Appendices to COTIF shall apply, in particular those of Appendix B for carriage performed on the basis of a contract of carriage.

1.1.2.2 For the international carriage of dangerous goods in trains other than freight trains in accordance with Article 5 § 1 a) of Appendix C, the provisions of Chapter 7.6 shall apply.

1.1.2.3 For the international carriage of dangerous goods as hand luggage, registered luggage or in or on board vehicles in accordance with Article 5 § 1b) of Appendix C, only the provisions of 1.1.3.8 in conjunction with Chapter 7.7 shall apply.

1.1.3 Exemptions

1.1.3.1 Exemptions related to the nature of the transport operation

The provisions laid down in RID do not apply to:

- (a) the carriage of dangerous goods by private individuals where the goods in question are packaged for retail sale and are intended for their personal or domestic use or for their leisure or sporting activities, provided that measures have been taken to prevent any leakage of contents in normal conditions of carriage. When these goods are flammable liquids carried in refillable receptacles filled by, or for, a private individual, the total quantity shall not exceed 60 litres per receptacle. Dangerous goods in IBCs, large packagings or tanks are not considered to be packaged for retail sale;
- (b) the carriage of machinery or equipment not specified in RID and which happen to contain dangerous goods in their internal or operational equipment, provided that measures have been taken to prevent any leakage of contents in normal conditions of carriage;
- (c) the carriage undertaken by enterprises which is ancillary to their main activity, such as deliveries to or returns from building or civil engineering sites, or in relation to surveying, repairs and maintenance, in quantities of not more than 450 litres per packaging and within the maximum quantities specified in 1.1.3.6. Measures shall be taken to prevent any leakage of contents in normal conditions of carriage. These exemptions do not apply to Class 7. Carriage undertaken by such enterprises for their supply or external or internal distribution does not fall within the scope of this exemption;
- (d) the carriage undertaken by the competent authorities for the emergency response or under their supervision, insofar as such carriage is necessary in relation to the emergency response, in particular carriage undertaken to contain and recover the dangerous goods involved in an incident or accident and move them to the nearest appropriate safe place;
- (e) emergency transport intended to save human lives or protect the environment, provided that all measures are taken to ensure that such transport is carried out in complete safety;
- (f) the carriage of uncleaned empty static storage vessels which have contained gases of Class 2, groups A, O or F, substances of Class 3 or Class 9 belonging to packing group II or III or pesticides of Class 6.1 belonging to packing group II or III, subject to the following conditions:
 - All openings with the exception of pressure relief devices (when fitted) are hermetically closed;

- Measures have been taken to prevent any leakage of contents in normal conditions of carriage; and
- The load is fixed in cradles or crates or other handling devices or to the wagon or container in such a way that they will not become loose or shift during normal conditions of carriage.

This exemption does not apply to static storage vessels which have contained desensitized explosives or substances the carriage of which is prohibited by RID.

NOTE: For radioactive material see 1.7.1.4.

1.1.3.2 Exemptions related to the carriage of gases

The provisions laid down in RID do not apply to the carriage of:

- (a) gases contained in the tanks of a means of transport destined for its propulsion or for the operation of any of its equipment (e.g. refrigerating equipment);
- (b) gases contained in the fuel tanks of vehicles transported. The fuel cock between gas tank and engine shall be closed and the electric contact open;
- (c) gases of Groups A and O (according to 2.2.2.1), if the pressure of the gas in the receptacle or tank at a temperature of 20 °C does not exceed 200 kPa (2 bar) and if the gas is not a liquefied or a refrigerated liquefied gas. This includes every kind of receptacle or tank, e.g. also parts of machinery and apparatus;
- (d) gases contained in the equipment used for the operation of the vehicle (e.g. fire extinguishers), including in spare parts (e.g. inflated pneumatic tyres); this exemption also applies to inflated pneumatic tyres carried as a load;
- (e) gases contained in the special equipment of wagons and necessary for the operation of this special equipment during transport (cooling systems, fish-tanks, heaters, etc.) as well as spare receptacles for such equipment or uncleaned empty exchange receptacles, transported in the same wagon;
- (f) gases contained in foodstuffs (except UN 1950), including carbonated beverages;
- (g) gases contained in balls intended for use in sports; and
- (h) gases contained in light bulbs provided they are packaged so that the projectile effects of any rupture of the bulb will be contained within the package.

1.1.3.3 Exemptions related to the carriage of liquid fuels

The requirements of RID do not apply to the carriage of fuel contained in fuel tanks of a means of transport where it is destined for its propulsion or the operation of any of its equipment (e.g. cooling systems). The fuel cock between the engine and the fuel tank of motorcycles and pedal cycles with an auxiliary engine, whose tanks contain fuel, shall be closed during carriage. In addition, these motorcycles and pedal cycles with an auxiliary engine shall be loaded upright and secured against falling.

1.1.3.4 Exemptions related to special provisions or to dangerous goods packed in limited or excepted quantities

NOTE: For radioactive material see 1.7.1.4.

1.1.3.4.1 Certain special provisions of Chapter 3.3 exempt partially or totally the carriage of specific dangerous goods from the requirements of RID. The exemption applies when the special provision is referred to in Column (6) of Table A of Chapter 3.2 against the dangerous goods entry concerned.

1.1.3.4.2 Certain dangerous goods may be subject to exemptions, provided that the conditions of Chapter 3.4 are met.

1.1.3.4.3 Certain dangerous goods may be subject to exemptions, provided that the conditions of Chapter 3.5 are met.

1.1.3.5 Exemptions related to empty uncleaned packagings

Empty uncleaned packagings (including IBCs and large packagings) which have contained substances of Classes 2, 3, 4.1, 5.1, 6.1, 8 and 9 are not subject to the conditions of RID if adequate measures have been taken to nullify any hazard. Hazards are nullified if adequate measures have been taken to nullify all hazards of Classes 1 to 9.

1.1.3.6 Total maximum permissible quantity per wagon or large container

1.1.3.6.1 (Reserved)

1.1.3.6.2 (Reserved)

1.1.3.6.3 Where, in accordance with 1.1.3.1 (c), dangerous goods of the same transport category are carried in the same wagon or large container, the maximum total quantity is indicated in column (3) of the table below:

Transport category	Substances or articles packing group or classification code/group or UN No.	Maximum total quantity per wagon or large container
0	Class 1: 1.1 L, 1.2 L, 1.3 L and UN No. 0190 Class 3: UN No. 3343 Class 4.2: Substances belonging to packing group I Class 4.3: UN Nos. 1183, 1242, 1295, 1340, 1390, 1403, 1928, 2813, 2965, 2968, 2988, 3129, 3130, 3131, 3134, 3148, 3396, 3398 and 3399 Class 5.1: UN No. 2426 Class 6.1: UN Nos. 1051, 1600, 1613, 1614, 2312, 3250 and 3294 Class 6.2: UN Nos. 2814 and 2900 Class 7: UN Nos. 2912 to 2919, 2977, 2978 and 3321 to 3333 Class 8: UN No. 2215 (MALEIC ANHYDRIDE, MOLTEN) Class 9: UN Nos. 2315, 3151, 3152 and 3432 and apparatus containing such substances or mixtures and empty uncleaned packagings, except those classified under UN No. 2908, having contained substances classified in this transport category	0
1	Substances and articles belonging to packing group I and not classified in transport category 0 and substances and articles of the following classes: Class 1: 1.1 B to 1.1 J^(a), 1.2 B to 1.2 J, 1.3 C, 1.3 G, 1.3 H, 1.3 J, 1.5 D^(a) Class 2: groups T, TC^(a), TO, TF, TOC^(a) and TFC aerosols: groups C, CO, FC, T, TF, TC, TO, TFC and TOC chemicals under pressure: UN Nos. 3502, 3503, 3504 and 3505 Class 4.1: UN Nos. 3221 to 3224 Class 5.2: UN Nos. 3101 to 3104	20
2	Substances or articles belonging to packing group II and not classified in transport categories 0, 1 or 4 and substances of the following classes: Class 1: 1.4B to 1.4G and 1.6N Class 2: group F aerosols: group F chemicals under pressure: UN No. 3501 Class 4.1: UN Nos. 3225 to 3230 Class 5.2: UN Nos. 3105 to 3110 Class 6.1: substances and articles belonging to packing group III Class 9: UN No. 3245	333
3	Substances and articles belonging to packing group III and not classified in transport categories 0, 2 or 4 and substances and articles of the following classes: Class 2: groups A and O aerosols: groups A and O chemicals under pressure: UN No. 3500 Class 3: UN No. 3473 Class 4.3: UN No. 3476 Class 8: UN Nos. 2794, 2795, 2800, 3028 and 3477 Class 9: UN Nos. 2990 and 3072	1000
4	Class 1: 1.4S Class 4.1: UN Nos. 1331, 1345, 1944, 1945, 2254 and 2623 Class 4.2: UN Nos. 1361 and 1362 packing group III Class 7: UN Nos. 2908 to 2911 Class 9: UN Nos. 3268 and 3499	unlimited

	and empty, uncleaned packagings having contained dangerous goods, except for those classified in transport category 0	

- (a) For UN Nos. 0081, 0082, 0084, 0241, 0331, 0332, 0482, 1005 and 1017, the total maximum quantity per wagon or large container shall be 50 kg.

In the above table, "maximum total quantity per wagon or large container" means:

- for articles, gross mass in kilograms (for articles of Class 1, net mass in kilograms of the explosive substance; for dangerous goods in machinery and equipment specified in RID, the total quantity of dangerous goods contained therein in kilograms or litres as appropriate);
- for solids, liquefied gases, refrigerated liquefied gases and dissolved gases, net mass in kilograms;
- for liquids and compressed gases, nominal capacity of receptacles (see definition in 1.2.1) in litres.

1.1.3.6.4 Where dangerous goods of different transport categories are carried in the same wagon or large container, the sum of

- the quantity of substances and articles of transport category 1 multiplied by "50",
- the quantity of substances and articles of transport category 1 referred to in Note a to the table in 1.1.3.6.3 multiplied by "20";
- the quantity of substances and articles of transport category 2 multiplied by "3", and
- the quantity of substances and articles of transport category 3

shall not exceed "1 000".

1.1.3.6.5 For the purposes of this sub-section, dangerous goods exempted in accordance with 1.1.3.2 to 1.1.3.5 shall not be taken into account.

1.1.3.7 Exemptions related to the carriage of lithium batteries

The provisions laid down in RID do not apply to:

- (a) Lithium batteries installed in a means of transport, performing a transport operation and destined for its propulsion or for the operation of any of its equipment;
- (b) Lithium batteries contained in equipment for the operation of this equipment used or intended for use during carriage (e.g. a laptop).

1.1.3.8 Application of exemptions in carriage of dangerous goods as hand luggage, registered luggage or in or on board vehicles

For the carriage of dangerous goods as hand luggage, registered luggage or in or on board vehicles, the exemptions in accordance with 1.1.3.1 (a) to (e), 1.1.3.2 (b), (d) to (h), 1.1.3.3, 1.1.3.4.1, 1.1.3.5 and 1.1.3.7 (b), as set out in Chapter 7.7, shall apply.

1.1.3.9 Exemptions related to dangerous goods used as a coolant or conditioner during carriage

When used in wagons or containers for cooling or conditioning purposes, dangerous goods that are only asphyxiant (which dilute or replace the oxygen normally in the atmosphere) are only subject to the provisions of section 5.5.3.

1.1.4 Applicability of other regulations

1.1.4.1 General

1.1.4.1.1 International carriage on the territory of an RID Contracting State may be subject to regulations or prohibitions imposed in accordance with Article 3 of Appendix C for reasons other than safety during carriage. Such regulations or prohibitions shall be published in an appropriate form.

1.1.4.1.2 (Reserved)

1.1.4.1.3 (Reserved)

1.1.4.2 Carriage in a transport chain including maritime or air carriage

1.1.4.2.1 Packages, containers, portable tanks and tank-containers and wagons containing a full load of packages with the same dangerous goods, which do not entirely meet the requirements for packing, mixed packing, marking, labelling of packages or placarding and orange plate marking, of RID, but are in conformity with the requirements of the IMDG Code or the ICAO Technical Instructions shall be accepted for carriage in a transport chain including maritime or air carriage subject to the following conditions:

- (a) If the packages are not marked and labelled in accordance with RID, they shall bear markings and danger labels in accordance with the requirements of the IMDG Code or the ICAO Technical Instructions;

- (b) The requirements of the IMDG Code or the ICAO Technical Instructions shall be applicable to mixed packing within a package;
- (c) For carriage in a transport chain including maritime carriage, if the containers, portable tanks or tank-containers or wagons containing a full load of packages with the same dangerous goods are not marked and placarded in accordance with Chapter 5.3 of RID, they shall be marked and placarded in accordance with Chapter 5.3 of the IMDG Code. For empty, uncleaned portable tanks and tank-containers, this requirement shall apply up to and including the subsequent transfer to a cleaning station.

This derogation does not apply in the case of goods classified as dangerous goods in classes 1 to 9 of RID and considered as non-dangerous goods according to the applicable requirements of the IMDG Code or the ICAO Technical Instructions.

NOTE: For carriage in accordance with 1.1.4.2.1, see also 5.4.1.1.7. For carriage in containers, see also 5.4.2.

1.1.4.2.2 (Reserved)

1.1.4.2.3 (Reserved)

1.1.4.3 Use of IMO type portable tanks approved for maritime transport

IMO type portable tanks (types 1, 2, 5 and 7) which do not meet the requirements of Chapters 6.7 or 6.8, but which were built and approved before 1 January 2003 in accordance with the provisions of the IMDG Code (Amtd. 29-98) may continue to be used provided that they meet the applicable periodic inspection and test provisions of the IMDG Code¹. In addition, they shall meet the provisions corresponding to the instructions set out in columns (10) and (11) of Table A in Chapter 3.2 and the provisions of Chapter 4.2 of RID. See also 4.2.0.1 of the IMDG Code.

1.1.4.4 Piggyback transport

1.1.4.4.1 Dangerous goods may also be carried in piggyback transport under the following conditions:

Transport units and trailers and their contents handed over for transport shall meet the provisions of ADR².

The following shall not be permitted:

- explosives of Class 1, compatibility group A (UN Nos. 0074, 0113, 0114, 0129, 0130, 0135, 0224 and 0473);
- self-reactive substances of Class 4.1 requiring temperature control (UN Nos. 3231 to 3240);
- organic peroxides of Class 5.2 requiring temperature control (UN Nos. 3111 to 3120);
- sulphur trioxide of Class 8 at least 99.95% pure, without inhibitor, carried in tanks (UN No. 1829).

1.1.4.4.2 Placards, markings or orange-coloured plates on wagons carrying transport units or trailers

It is not necessary to affix placards, markings or orange-coloured plates to carrying wagons in the following cases:

- (a) when transport units or trailers bear the placards, markings or orange-coloured plates in accordance with chapters 5.3 or 3.4 of ADR;
- (b) when placards, markings or orange-coloured plates are not required for transport units or trailers (e.g. in accordance with 1.1.3.6 or the Note to 5.3.2.1.5 of ADR).

1.1.4.4.3 Carriage of trailers carrying packages

If a trailer becomes separated from its tractor unit, the orange-coloured plates shall also be affixed to the front of the trailer or the corresponding placards shall also be affixed to both sides of the trailer.

1.1.4.4.4 Repetition of placards, markings or orange-coloured plates on wagons carrying transport units or trailers

If the affixed placards, markings or orange-coloured plates in accordance with 1.1.4.4.2 are not visible from outside the carrying wagon, they shall be affixed to both sides of the carrying wagon.

¹ The International Maritime Organization (IMO) has issued "Guidance on the Continued Use of Existing IMO Type Portable Tanks and Road Tank Vehicles for the Transport of Dangerous Goods" as circular DSC.1/Circ.12 and Corrigenda. The text of this guidance can be found on the IMO website at: www.imo.org.

² This Agreement also includes the special agreements which have been signed by all the countries involved in the transport operation.

1.1.4.4.5 Information in the transport document

For carriage in piggyback transport in accordance with this sub-section, the following shall be entered in the transport document:

"CARRIAGE IN ACCORDANCE WITH 1.1.4.4."

For the carriage of tanks or dangerous goods in bulk for which ADR prescribes an orange-coloured plate with the hazard identification number, the hazard identification number shall be entered in the transport document before the UN number.

1.1.4.4.6 All the other provisions of RID remain unaffected.

1.1.4.5 Carriage other than by rail

1.1.4.5.1 If the wagon carrying out a transport operation subject to the requirements of RID is conveyed over a section of the journey otherwise than by rail haulage, then any national or international regulations which, on the said section, govern the carriage of dangerous goods by the mode of transport used for conveying the wagon shall alone be applicable to the said section of the journey.

1.1.4.5.2 Unless this would contravene the international Conventions governing the carriage of dangerous goods by the mode of transport used for conveying the wagon on the said section of the journey, the RID Contracting States may agree to apply the requirements of RID to this section of the journey, supplemented, if they consider it necessary, by additional requirements.

These agreements shall be notified to the Secretariat of OTIF by the RID Contracting State that initiated the agreement. The Secretariat of OTIF shall bring them to the attention of all RID Contracting States.³

1.1.4.5.3 (Reserved)

1.1.5 Application of standards

Where the application of a standard is required and there is any conflict between the standard and the provisions of RID, the provisions of RID take precedence.

³ Agreements concluded in accordance with this sub-section may be consulted on the OTIF website (www.otif.org).

Chapter 1.2 Definitions and units of measurement

1.2.1 Definitions

NOTE 1: This section contains all general or specific definitions.

2: Terms contained within a definition in this section which are defined separately are printed in italics.

For the purposes of RID:

A

"ADN" means the European Agreement concerning the International *Carriage of Dangerous Goods* by Inland Waterways;

"ADR" means the European Agreement concerning the International *Carriage of Dangerous Goods* by Road, including all special agreements signed by those states involved in the transport operation;

"Aerosol or aerosol dispenser" means any non-refillable *receptacle* meeting the requirements of 6.2.6, made of metal, glass or plastics and containing a *gas*, compressed, liquefied or dissolved under pressure, with or without a *liquid*, paste or powder, and fitted with a release device allowing the contents to be ejected as solid or liquid particles in suspension in a *gas*, as a foam, paste or powder or in a liquid state or in a gaseous state;

"Animal material" means animal carcasses, animal body parts, or animal foodstuffs;

"Applicant" means, in the case of *conformity assessment*, the manufacturer or its authorised representative in an RID Contracting State. In the case of periodic inspections, intermediate inspections and exceptional checks, *applicant* means the testing facility, the operator or their authorised representative in an RID Contracting State;

NOTE: Exceptionally a third party (for instance a *tank-container operator* in accordance with the definition of 1.2.1) may apply for the *conformity assessment*.

"Approval"

"Multilateral approval", for the carriage of Class 7 material, means approval by the relevant *competent authority* of the country of origin of the *design* or shipment, as applicable, and by the *competent authority* of each country through or into which the consignment is to be carried.

"Unilateral approval", for the carriage of Class 7 material, means an approval of a *design* which is required to be given by the *competent authority* of the country of origin of the *design* only.

If the country of origin is not an RID Contracting State, the approval shall require validation by the *competent authority* of the first RID Contracting State reached by the consignment (see 6.4.22.6);

"ASTM" means the American Society for Testing and Materials (ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA, 19428-2959, United States of America);

B

"Bag" means a flexible *packaging* made of paper, plastics film, textiles, woven material or other suitable material;

"Battery-wagon" means a *wagon* containing elements which are linked to each other by a manifold and permanently fixed to this *wagon*. The following elements are considered to be elements of a battery-wagon: *cylinders*, *tubes*, *bundles of cylinders* (also known as frames), *pressure drums* as well as *tanks* destined for the carriage of *gases* as defined in 2.2.2.1.1 with a capacity of more than 450 litres;

"Body" (for all categories of *IBC* other than *composite IBCs*) means the receptacle proper, including openings and closures, but does not include *service equipment*;

"Box" means a *packaging* with complete rectangular or polygonal faces, made of metal, wood, plywood, reconstituted wood, fibreboard, plastics or other suitable material. Small holes for purposes of ease of handling or opening or to meet classification requirements, are permitted as long as they do not compromise the integrity of the *packaging* during *carriage*;

"Bulk container" means a containment system (including any liner or coating) intended for the *carriage* of *solid substances* which are in direct contact with the containment system. *Packagings*, *intermediate bulk containers (IBCs)*, *large packagings* and *tanks* are not included.

A bulk container is:

- of a permanent character and accordingly strong enough to be suitable for repeated use,
- specially designed to facilitate the carriage of goods by one or more means of transport without intermediate reloading,
- fitted with devices permitting its ready handling,
- of a capacity of not less than 1.0 m³.

Examples of bulk containers are *containers*, *offshore bulk containers*, skips, bulk bins, *swap bodies*, trough-shaped *containers*, roller *containers*, load compartments of *wagons*;

"Bundle of cylinders" means an assembly of *cylinders* that are fastened together and which are interconnected by a manifold and carried as a unit. The total water capacity shall not exceed 3 000 litres except that bundles intended for the carriage of toxic gases of Class 2 (groups starting with letter T according to 2.2.2.1.3) shall be limited to 1 000 litres water capacity;

C

"Calculation pressure" means a theoretical pressure at least equal to the *test pressure* which, according to the degree of danger exhibited by the substance being carried, may to a greater or lesser degree exceed the working pressure. It is used solely to determine the thickness of the walls of the *shell*, independently of any external or internal reinforcing device (see also *"Discharge pressure"*, *"Filling pressure"*, *"Maximum working pressure (gauge pressure)"* and *"Test pressure"*);

NOTE: For *portable tanks*, see Chapter 6.7.

"Capacity of shell or shell compartment" for *tanks*, means the total inner volume of the *shell* or *shell* compartment expressed in litres or cubic metres. When it is impossible to completely fill the *shell* or the *shell* compartment because of its shape or construction, this reduced capacity shall be used for the determination of the degree of filling and for the marking of the *tank*;

"Cargo transport unit" means a *wagon*, a *container*, a *tank-container*, *portable tank* or a *MEGC*;

NOTE: This definition applies only for the application of special provision 302 of Chapter 3.3 and of 5.5.2.

"Carriage" means the change of place of *dangerous goods*, including stops made necessary by transport conditions and including any period spent by the *dangerous goods* in *wagons*, *tanks* and *containers* made necessary by traffic conditions before, during and after the change of place.

This definition also covers the intermediate temporary storage of *dangerous goods* in order to change the mode or means of transport (transshipment). This shall apply, provided that transport documents showing the place of dispatch and the place of reception are presented on request and provided that *packages* and *tanks* are not opened during intermediate storage, except to be checked by the *competent authorities*;

"Carriage in bulk" means the carriage of unpackaged *solids* or articles in *wagons* or *containers*. The term does not apply to packaged goods nor to substances carried in *tanks*;

"Carrier" means the *enterprise* which carries out the transport operation with or without a transport contract;

"CGA" means the Compressed Gas Association (CGA, 4221 Walney Road, 5th Floor, Chantilly VA 20151-2923, United States of America);

"CIM" means the Uniform Rules Concerning the Contract of International Carriage of Goods by Rail (Appendix B to the Convention concerning International Carriage by Rail (COTIF)), as amended;

"Closed container", see *"Container"*;

"Closed wagon" means a *wagon* with fixed or movable sides or roof;

"Closure" means a device which closes an opening in a *receptacle*;

"CMR" means the Convention on the Contract for the International Carriage of Goods by Road (Geneva, 19 May 1956), as amended;

"Collective entry" means an entry for a defined group of substances or articles (see 2.1.1.2, B, C and D);

"Combination packaging" means a combination of *packagings* for carriage purposes, consisting of one or more *inner packagings* secured in an *outer packaging* in accordance with 4.1.1.5;

NOTE: The "inners" of *"combination packagings"* are always termed *"inner packagings"* and not *"inner receptacles"*. A glass bottle is an example of such an *"inner packaging"*.

"Competent authority" means the authority or authorities or any other body or bodies designated as such in each State and in each specific case in accordance with domestic law;

"Compliance assurance" (radioactive material) means a systematic programme of measures applied by a competent authority which is aimed at ensuring that the requirements of RID are met in practice;

"Composite IBC with plastics inner receptacle" means an IBC comprising structural equipment in the form of a rigid outer casing encasing a plastics inner receptacle together with any *service* or other *structural equipment*. It is so constructed that the inner receptacle and outer casing once assembled form, and are used as, an integrated single unit to be filled, stored, transported or emptied as such;

NOTE: "Plastics material", when used in connection with inner receptacles for composite IBCs, is taken to include other polymeric materials such as rubber.

"Composite packaging (plastics material)" is a *packaging* consisting of an *inner plastics receptacle* and an *outer packaging* (made of metal, fibreboard, plywood, etc.). Once assembled such a *packaging* remains thereafter an inseparable unit; it is filled, stored, despatched and emptied as such;

NOTE: See NOTE under "*Composite packagings (glass, porcelain or stoneware)*".

"Composite packaging (glass, porcelain or stoneware)" is a *packaging* consisting of an *inner glass, porcelain or stoneware receptacle* and an *outer packaging* (made of metal, wood, fibreboard, plastics material, expanded plastics material, etc.). Once assembled, such a *packaging* remains thereafter an inseparable unit; it is filled, stored, despatched and emptied as such;

NOTE: The "inners" of "*composite packagings*" are normally termed "*inner receptacles*". For example, the "inner" of a 6HA1 (*composite packaging, plastics material*) is such an "*inner receptacle*" since it is normally not designed to perform a containment function without its "*outer packaging*" and is not therefore an "*inner packaging*".

"Confinement system", for the carriage of Class 7 material, means the assembly of fissile material and packaging components specified by the designer and agreed to by the *competent authority* as intended to preserve criticality safety;

"Conformity assessment" means the process of verifying the conformity of a product according to the provisions of sections 1.8.6 and 1.8.7 related to type approval, supervision of manufacture and initial inspection and testing;

"Consignee" means the *consignee* according to the contract for *carriage*. If the *consignee* designates a third party in accordance with the provisions applicable to the contract for *carriage*, this person shall be deemed to be the *consignee* within the meaning of RID. If the transport operation takes place without a contract for *carriage*, the *enterprise* which takes charge of the *dangerous goods* on arrival shall be deemed to be the *consignee*.

"Consignment" means any *package* or *packages*, or load of *dangerous goods*, presented by a *consignor* for *carriage*;

"Consignor" means the *enterprise* which consigns *dangerous goods* either on its own behalf or for a third party. If the transport operation is carried out under a contract for *carriage*, *consignor* means the *consignor* according to the contract for *carriage*;

"Container" means an article of transport equipment (lift van or other similar structure):

- of a permanent character and accordingly strong enough to be suitable for repeated use;
- specially designed to facilitate the *carriage* of goods, by one or more means of transport, without breakage of load;
- fitted with devices permitting its ready stowage and handling, particularly when being transloaded from one means of transport to another;
- so designed as to be easy to fill and empty
- having an internal volume of not less than 1 m³, except for containers for the carriage of radioactive material.

A *swap body* is a *container* which, in accordance with European Standard EN 283:1991 has the following characteristics:

- from the point of view of mechanical strength, it is only built for *carriage* on a *wagon* or a vehicle on land or by roll-on roll-off ship;
- it cannot be stacked;
- it can be removed from vehicles by means of equipment on board the vehicle and on its own supports, and can be reloaded;

NOTE: The term "*container*" does not cover conventional *packagings*, *IBCs*, *tank-containers* or *wagons*. Nevertheless, a container may be used as a *packaging* for the carriage of radioactive material.

In addition:

"Closed container" means a totally enclosed *container* having a rigid roof, rigid side walls, rigid end walls and a floor. The term includes *containers* with an opening roof where the roof can be closed during transport;

"Large container" means

- (a) a *container* which does not meet the definition of a *small container*;
- (b) in the meaning of the CSC, a *container* of a size such that the area enclosed by the four outer bottom corners is either
 - (i) at least 14 m² (150 square feet) or
 - (ii) at least 7 m² (75 square feet) if fitted with top corner fittings;

"Open container" means an open top *container* or a platform based *container*;

"Sheeted container" means an open *container* equipped with a sheet to protect the goods loaded;

"Small container" means a *container* which has either any overall outer dimension (length, width or height) less than 1.5 m, or an internal volume of not more than 3 m³;

"Containment system", for the carriage of Class 7 material, means the assembly of components of the *packaging* specified by the designer as intended to retain the radioactive material during *carriage*;

"Control temperature" means the maximum temperature at which the organic peroxide or the self-reactive substance can be safely carried;

"Conveyance" means, for carriage by road or by rail, a vehicle or a wagon;

"Crate" means an *outer packaging* with incomplete surfaces;

"Criticality safety index (CSI)" assigned to a *package*, *overpack* or *container* containing fissile material, for the carriage of Class 7 material, means a number which is used to provide control over the accumulation of *packages*, *overpacks* or *containers* containing fissile material;

"Critical temperature" means the temperature above which the substance cannot exist in the liquid state;

"Cryogenic receptacle" means a transportable thermally insulated pressure receptacle for refrigerated liquefied gases of a water capacity of not more than 1 000 litres (see also *"Open cryogenic receptacle"*);

"CSC" means the International Convention for Safe Containers (Geneva, 1972) as amended and published by the International Maritime Organization (IMO), London;

"Cylinder" means a transportable *pressure receptacle* of a water capacity not exceeding 150 litres (see also *"Bundle of cylinders"*);

D

"Dangerous goods" means those substances and articles the *carriage* of which is prohibited by RID, or authorized only under the conditions prescribed therein;

"Dangerous reaction" means:

- (a) combustion or evolution of considerable heat;
- (b) evolution of flammable, asphyxiant, oxidizing or toxic *gases*;
- (c) the formation of corrosive substances;
- (d) the formation of unstable substances; or
- (e) dangerous rise in pressure (for *tanks* only);

"Demountable tank" means a *tank* designed to fit the special apparatus of the *wagon* but which can only be removed from it after dismantling their means of attachment;

"Design", for the carriage of Class 7 material, means the description of special form radioactive material, low dispersible radioactive material, *package* or *packaging* which enables such an item to be fully identified. The description may include specifications, engineering drawings, reports demonstrating compliance with regulatory requirements, and other relevant documentation;

"Discharge pressure" means the maximum pressure actually built up in the *tank* when it is being discharged under pressure (see also *"Calculation pressure"*, *"Filling pressure"*, *"Maximum working pressure (gauge pressure)"* and *"Test pressure"*);

"Drum" means a flat-ended or convex-ended cylindrical *packaging* made out of metal, fibreboard, plastics, plywood or other suitable materials. This definition also includes *packagings* of other shapes, e.g. round, taper-necked *packagings* or pail-shaped *packagings*. *Wooden barrels* and *jerricans* are not covered by this definition;

E

"ECE Regulation" means a regulation annexed to the Agreement concerning the adoption of uniform technical prescriptions for wheeled vehicles, equipment and parts which can be fitted and or used on wheeled vehicles and the conditions for reciprocal recognition of approvals granted on the basis of these prescriptions (1958 Agreement, as amended);

"EN" (standard) means a European standard published by the European Committee of Standardization (CEN) (CEN, Avenue Marnix 17, B-1000 Brussels);

"Emergency temperature" means the temperature at which emergency procedures shall be implemented in the event of loss of temperature control;

"Enterprise" means any natural person, any legal person, whether profit-making or not, any association or group of persons without legal personality, whether profit-making or not, or any official body, whether it has legal personality itself or is dependent upon an authority that has such personality;

"Exclusive use", for the carriage of Class 7 material, means the sole use, by a single *consignor*, of a *wagon* or of a *large container*, in respect of which all initial, intermediate and final loading and unloading is carried out in accordance with the directions of the *consignor* or *consignee*;

F

"Fibreboard IBC" means a fibreboard *body* with or without separate top and bottom caps, if necessary an *inner liner* (but no *inner packagings*), and appropriate *service* and *structural equipment*;

"Filler" means any enterprise which loads dangerous goods into a *tank* (*tank-wagon*, *wagon* with *de-mountable tank*, *portable tank* or *tank-container*) and/or into a *wagon*, *large container* or *small container* for carriage in bulk, or into a *battery-wagon* or *MEGC*;

"Filling pressure" means the maximum pressure actually built up in the *tank* when it is being filled under pressure (see also *"Calculation pressure"*, *"Discharge pressure"*, *"Maximum working pressure (gauge pressure)"* and *"Test pressure"*);

"Filling ratio" means the ratio of the mass of gas to the mass of water at 15 °C that would fill completely a *pressure receptacle* fitted ready for use;

"Fixed tank" means a *tank* having a capacity of more than 1 000 litres which is permanently attached to a *wagon* (which then becomes a *tank-wagon*) or is an integral part of the frame of such *wagon*;

"Flammable component" (for *aerosols*) means flammable *liquids*, flammable *solids* or flammable *gases* and gas mixtures as defined in Notes 1 to 3 of sub-section 31.1.3 of Part III of the *Manual of Tests and Criteria*. This designation does not cover pyrophoric, self-heating or water-reactive substances. The chemical heat of combustion shall be determined by one of the following methods ASTM D 240, ISO/FDIS 13943: 1999 (E/F) 86.1 to 86.3 or NFPA 30B.

"Flash-point" means the lowest temperature of a *liquid* at which its vapours form a flammable mixture with air;

"Flexible IBC" means a *body* constituted of film, woven fabric or any other flexible material or combinations thereof, and if necessary, an inner coating or *liner*, together with any appropriate *service equipment* and *handling devices*;

"Fuel cell" means an electrochemical device that converts the chemical energy of a fuel to electrical energy, heat and reaction products;

"Fuel cell engine" means a device used to power equipment and which consists of a *fuel cell* and its fuel supply, whether integrated with or separate from the *fuel cell*, and includes all appurtenances necessary to fulfil its function;

"Full load" means any load originating from one *consignor* for which the use of a *large container* is exclusively reserved and all operations for the loading and unloading of which are carried out in conformity with the instructions of the *consignor* or of the *consignee*;

NOTE: The corresponding term for Class 7 is *"exclusive use"*.

G

"Gas" means a substance which:

- (a) at 50 °C has a vapour pressure greater than 300 kPa (3 bar); or
- (b) is completely gaseous at 20 °C under standard pressure of 101.3 kPa;

"Gas cartridge", see *"Small receptacle containing gas"*;

"GHS" means the fourth edition of the Globally Harmonized System of Classification and Labelling of Chemicals, published by the United Nations as document ST/SG/AC.10/30/Rev.4;

H

"Handling device" (for *flexible IBCs*) means any sling, loop, eye or frame attached to the *body* of the *IBC* or formed from the continuation of the *IBC body* material;

"Hermetically closed tank" means a *tank* intended for the *carriage of liquid substances* with a *calculation pressure* of at least 4 bar or intended for the *carriage of solid substances* (powdery or granular) regardless of its *calculation pressure*, the openings of which are hermetically closed and which:

- is not equipped with *safety valves*, bursting discs, other similar safety devices or *vacuum valves* or with *self-operating ventilation valves*, or
- is not equipped with *safety valves*, bursting discs or other similar safety devices, but is equipped with *vacuum valves* or with *self-operating ventilation valves*, in accordance with the requirements of 6.8.2.2.3, or
- is equipped with *safety valves* preceded by a bursting disc according to 6.8.2.2.10, but is not equipped with *vacuum valves* or with *self-operating ventilation valves*, or
- is equipped with *safety valves* preceded by a bursting disc according to 6.8.2.2.10 and *vacuum valves* or *self-operating ventilation valves*, in accordance with the requirements of 6.8.2.2.3;

I

"IAEA" means the International Atomic Energy Agency (IAEA) (IAEA, P.O. Box 100, A-1400 Vienna);

"IBC", see *"Intermediate bulk container"*;

"ICAO" means the International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada);

"ICAO Technical Instructions" means the Technical Instructions for the Safe Transport of Dangerous Goods by Air, which complement Annex 18 to the Chicago Convention on International Civil Aviation (Chicago 1944), published by the International Civil Aviation Organization (ICAO) in Montreal;

"IMDG Code" means the International Maritime Dangerous Goods Code, for the implementation of Chapter VII, Part A, of the International Convention for the Safety of Life at Sea, 1974 (SOLAS Convention), published by the International Maritime Organization (IMO), London;

"IMO" means the International Maritime Organization (IMO, 4 Albert Embankment, London SE1 7SR, United Kingdom);

"Inner packaging" means a *packaging* for which an *outer packaging* is required for *carriage*;

"Inner receptacle" means a *receptacle* which requires an *outer packaging* in order to perform its containment function;

"Inspection body" means an independent inspection and testing body approved by the *competent authority*;

"Intermediate bulk container" (IBC) means a rigid, or flexible portable *packaging*, other than those specified in Chapter 6.1, that:

- (a) has a capacity of:
 - (i) not more than 3.0 m³ for *solids* and *liquids* of *packing groups* II and III;
 - (ii) not more than 1.5 m³ for *solids* of *packing group* I when packed in *flexible, rigid plastics, composite, fibreboard* and *wooden IBCs*;
 - (iii) not more than 3.0 m³ for *solids* of *packing group* I when packed in *metal IBCs*;
 - (iv) not more than 3.0 m³ for radioactive material of Class 7;
- (b) is designed for mechanical handling;

(c) is resistant to the stresses produced in handling and transport as determined by the tests specified in Chapter 6.5

(see also "Composite IBC with plastics inner receptacle", "Fibreboard IBC", "Flexible IBC", "Metal IBC", "Rigid plastics IBC" and "Wooden IBC");

NOTE 1: *Portable tanks or tank-containers* that meet the requirements of Chapter 6.7 or 6.8 respectively are not considered to be *intermediate bulk containers (IBCs)*.

2: *Intermediate bulk containers (IBCs)* which meet the requirements of Chapter 6.5 are not considered to be *containers* for the purposes of RID.

"Remanufactured IBC" means a *metal, rigid plastics or composite IBC* that:

(a) is produced as a UN type from a non-UN type; or

(b) is converted from one UN design type to another UN design type.

Remanufactured IBCs are subject to the same requirements of RID that apply to new *IBCs* of the same type (see also design type definition in 6.5.6.1.1);

"Repaired IBC" means a *metal, rigid plastics or composite IBC* that, as a result of impact or for any other cause (e.g. corrosion, embrittlement or other evidence of reduced strength as compared to the design type) is restored so as to conform to the design type and to be able to withstand the design type tests. For the purposes of RID, the replacement of the *rigid inner receptacle* of a *composite IBC* with a *receptacle* conforming to the original design type from the same manufacturer is considered repair. However, *routine maintenance of rigid IBCs* is not considered repair. The *bodies of rigid plastics IBCs* and the *inner receptacles of composite IBCs* are not repairable. *Flexible IBCs* are not repairable unless approved by the competent authority;

"Routine maintenance of flexible IBCs" means the routine performance on plastics or textile *flexible IBCs* of operations, such as:

(a) Cleaning; or

(b) Replacement of non-integral components, such as non-integral liners and closure ties, with components conforming to the manufacturer's original specification;

provided that these operations do not adversely affect the containment function of the *flexible IBC* or alter the design type;

"Routine maintenance of rigid IBCs" means the routine performance on *metal, rigid plastics or composite IBCs* of operations such as:

(a) Cleaning;

(b) Removal and reinstallation or replacement of *body closures* (including associated gaskets), or of *service equipment*, conforming to the original manufacturer's specifications, provided that the leaktightness of the *IBC* is verified; or

(c) Restoration of *structural equipment* not directly performing a dangerous goods containment or discharge pressure retention function so as to conform to the design type (e.g. the straightening of legs or lifting attachments), provided that the containment function of the *IBC* is not affected;

"Intermediate packaging" means a *packaging* placed between *inner packagings* or articles, and an *outer packaging*;

"ISO" (standard) means an international standard published by the International Organization for Standardization (ISO) (ISO, 1, rue de Varembe, CH-1204 Geneva 20);

J

"Jerrican" means a metal or plastics *packaging* of rectangular or polygonal cross-section with one or more orifices;

L

"Large container", see "Container";

"Large packaging" means a *packaging* consisting of an *outer packaging* which contains articles or *inner packagings* and which

(a) is designed for mechanical handling;

(b) exceeds 400 kg net mass or 450 litres capacity but has a volume of not more than 3.0 m³;

"Remanufactured large packaging" means a metal or rigid plastics *large packaging* that:

(a) Is produced as a UN type from a non-UN type; or

(b) Is converted from one UN design type to another UN design type.

Remanufactured large packagings are subject to the same requirements of RID that apply to new *large packagings* of the same type (see also design type definition in 6.6.5.1.2);

"Reused large packaging" means a *large packaging* to be refilled which has been examined and found free of defects affecting the ability to withstand the performance tests; the term includes those which are refilled with the same or similar compatible contents and are carried within distribution chains controlled by the *consignor* of the product;

"Leakproofness test" means a test to determine the leakproofness of a *tank*, a *packaging* or an *IBC* and of the equipment and closure devices;

NOTE: For *portable tanks*, see Chapter 6.7.

"Light-gauge metal packaging" means a *packaging* of circular, elliptical, rectangular or polygonal cross-section (also conical) and taper-necked and pail-shaped *packaging* made of metal, having a wall thickness of less than 0.5 mm (e.g. tinplate), flat or convex bottomed and with one or more orifices, which is not covered by the definitions for *drums* or *jerricans*;

"Liner" means a tube or bag inserted into a *packaging*, including *large packagings* or *IBCs*, but not forming an integral part of it, including the *closures* of its openings;

"Liquefied Petroleum Gas (LPG)" means a low pressure liquefied gas composed of one or more light hydrocarbons which are assigned to UN Nos. 1011, 1075, 1965, 1969 or 1978 only and which consists mainly of propane, propene, butane, butane isomers, butene with traces of other hydrocarbon gases;

NOTE 1: Flammable gases assigned to other UN numbers shall not be regarded as LPG.

2: For UN No. 1075 see NOTE 2 under 2F, UN No. 1965, in the table for liquefied gases in 2.2.2.3.

"Liquid" means a substance which at 50 °C has a vapour pressure of not more than 300 kPa (3 bar), which is not completely gaseous at 20 °C and 101.3 kPa, and which

- (a) has a melting point or initial melting point of 20 °C or less at a pressure of 101.3 kPa, or
- (b) is liquid according to the ASTM D 4359-90 test method or
- (c) is not pasty according to the criteria applicable to the test for determining fluidity (penetrometer test) described in 2.3.4;

NOTE: "Carriage in the liquid state", for the purpose of tank requirements, means:

- Carriage of *liquids* according to the above definition, or
- *Solids* handed over for carriage in the molten state.

"Loader" means any *enterprise* which:

- (a) Loads packaged *dangerous goods*, *small containers* or *portable tanks* into or onto a *wagon* or a *container*, or
- (b) Loads a *container*, *bulk-container*, *MEGC*, *tank-container* or *portable tank* onto a *wagon*;

M

"Manual of Tests and Criteria" means the fifth revised edition of the United Nations Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria, published by the United Nations Organization (ST/SG/AC.10/11/Rev.5 as amended by document ST/SG/AC.10/11/Rev.5/Amend.1);

"Mass of package" means gross mass of the *package* unless otherwise stated;

"Maximum capacity" means the maximum inner volume of *receptacles* or *packagings* including *intermediate bulk containers (IBCs)* and *large packagings* expressed in cubic metres or litres;

"Maximum net mass" means the maximum net mass of contents in a single *packaging* or maximum combined mass of *inner packagings* and the contents thereof expressed in kilograms;

"Maximum normal operating pressure", for the carriage of Class 7 material, means the maximum pressure above atmospheric pressure at mean sea-level that would develop in the *containment system* in a period of one year under the conditions of temperature and solar radiation corresponding to environmental conditions in the absence of venting, external cooling by an ancillary system, or operational controls during carriage;

"Maximum permissible gross mass"

- (a) (for *IBCs*) means the mass of the *IBC* and any *service* or *structural equipment* together with the maximum net mass;
- (b) (for *tanks*) means the tare of the *tank* and the heaviest load authorized for carriage;

NOTE: For *portable tanks*, see Chapter 6.7.

"Maximum working pressure (gauge pressure)" means the highest of the following three pressures:

- (a) the highest effective pressure allowed in the *tank* during filling (maximum *filling pressure* allowed);
- (b) the highest effective pressure allowed in the *tank* during discharge (maximum *discharge pressure* allowed); and
- (c) the effective gauge pressure to which the *tank* is subjected by its contents (including such extraneous gases as it may contain) at the maximum working temperature.

Unless the special requirements prescribed in Chapter 4.3 provide otherwise, the numerical value of this working pressure (gauge pressure) shall not be lower than the vapour pressure (absolute pressure) of the filling substance at 50 °C.

For tanks equipped with *safety valves* (with or without bursting disc) other than tanks for the carriage of compressed, liquefied or dissolved gases of Class 2., the *maximum working pressure (gauge pressure)* shall however be equal to the prescribed opening pressure of such *safety valves* (see also "*Calculation pressure*", "*Discharge pressure*", "*Filling pressure*" and "*Test pressure*");

NOTE 1: For *portable tanks*, see Chapter 6.7.

2: For closed cryogenic receptacles, see Note to 6.2.1.3.6.5.

"MEGC", see "*Multiple-element gas container*";

"Metal hydride storage system" means a single complete hydrogen storage system, including a receptacle, metal hydride, pressure relief device, shut-off valve, *service equipment* and internal components used for the carriage of hydrogen only;

"Metal IBC" means a metal *body* together with appropriate *service* and *structural equipment*;

"Mild steel" means a steel having a minimum tensile strength between 360 N/mm² and 440 N/mm²;

NOTE: For *portable tanks*, see Chapter 6.7.

"Multiple-element gas container (MEGC)" means a unit containing elements which are linked to each other by a manifold and mounted on a frame. The following elements are considered to be elements of a *multiple-element gas container*: *cylinders*, *tubes*, *pressure drums* and *bundles of cylinders* as well as *tanks* for the carriage of gases as defined in 2.2.2.1.1 having a capacity of more than 450 litres;

NOTE: For UN MEGCs, see Chapter 6.7.

N

"Net explosive mass (NEM)" means the total mass of the explosive substances, without the packagings, casings, etc. (*Net explosive quantity (NEQ)*, *net explosive contents (NEC)*, *net explosive weight (NEW)* or *net mass of explosive contents* are often used to convey the same meaning.);

"Nominal capacity of the receptacle" means the nominal volume of the dangerous substance contained in the *receptacle* expressed in litres. For compressed *gas cylinders* the nominal capacity shall be the water capacity of the *cylinder*;

"N.O.S. entry (not otherwise specified entry)" means a collective entry to which substances, mixtures, solutions or articles may be assigned if they:

- (a) are not mentioned by name in Table A of Chapter 3.2, and
- (b) exhibit chemical, physical and/or dangerous properties corresponding to the Class, classification code, *packing group* and the name and description of the *n.o.s. entry*;

O

"Offshore bulk container" means a *bulk container* specially designed for repeated use for carriage to, from and between offshore facilities. An offshore bulk container is designed and constructed in accordance with the guidelines for the approval of offshore containers handled in open seas specified by the International Maritime Organization (IMO) in document MSC/Circ.860;

"Open container", see "*Container*";

"Open cryogenic receptacle" means a transportable thermally insulated *receptacle* for refrigerated liquefied gases maintained at atmospheric pressure by continuous venting of the refrigerated liquefied gas;

"Open wagon" means a wagon with or without side boards and a tailboard, the loading surfaces of which are open;

"Operator of a tank-container, portable tank or tank-wagon"⁴ means any *enterprise* in whose name the *tank-container, portable tank or tank-wagon* is registered or approved for transport;

"OTIF" means the Intergovernmental Organization for International Carriage by Rail (OTIF, Gryphenhübelweg 30, CH-3006 Bern);

"Outer packaging" means the outer protection of the *composite or combination packaging* together with any absorbent materials, cushioning and any other components necessary to contain and protect *inner receptacles or inner packagings*;

"Overpack" means an enclosure used (by a single *consignor* in the case of Class 7) to contain one or more *packages*, consolidated into a single unit easier to handle and stow during *carriage*.

Examples of *overpacks*:

- (a) a loading tray such as a pallet, on which several *packages* are placed or stacked and secured by a plastics strip, shrink or stretch wrapping or other appropriate means; or
- (b) an outer protective *packaging* such as a *box* or a *crate*;

P

"Package" means the complete product of the packing operation, consisting of the *packaging or large packaging or IBC* and its contents prepared for dispatch. The term includes *pressure receptacles for gases* as defined in this section as well as articles which, because of their size, mass or configuration may be carried unpackaged or carried in cradles, crates or handling devices. Except for the carriage of radioactive material, the term does not apply to goods which are carried in *bulk*, nor to substances carried in *tanks*.

NOTE: For radioactive material, see 2.2.7.2, 4.1.9.1.1 and Chapter 6.4.

"Packaging" means one or more *receptacles* and any other components or materials necessary for the *receptacles* to perform their containment and other safety functions (see also "*Combination packaging*", "*Composite packaging (plastics material)*", "*Composite packaging (glass, porcelain or stoneware)*", "*Inner packaging*", "*Intermediate bulk container (IBC)*", "*Intermediate packaging*", "*Large packaging*", "*Light-gauge metal packaging*", "*Outer packaging*", "*Reconditioned packaging*", "*Remanufactured packaging*", "*Reused packaging*", "*Salvage packaging*" and "*Sift-proof packaging*");

"Packer" means any *enterprise* which puts *dangerous goods* into *packagings*, including *large packagings* and *intermediate bulk containers (IBCs)* and, where necessary, prepares *packages* for *carriage*;

"Packing group" means a group to which, for packing purposes, certain substances may be assigned in accordance with their degree of danger. The *packing groups* have the following meanings which are explained more fully in Part 2:

Packing group I: Substances presenting high danger;

Packing group II: Substances presenting medium danger; and

Packing group III: Substances presenting low danger;

NOTE: Certain articles containing *dangerous goods* are assigned to a packing group.

"Piggyback transport" means the *carriage* of transport units or trailers within the meaning of ADR in combined road/rail transport. This definition also includes the rolling road (loading of transport units within the meaning of ADR (accompanied or unaccompanied) onto wagons designed for this type of transport);

"Portable tank" means a multimodal *tank* having, when used for the *carriage* of *gases* as defined in 2.2.2.1.1, a capacity of more than 450 litres in accordance with the definitions in Chapter 6.7 or the *IMDG Code* and indicated by a portable tank instruction (T-Code) in Column (10) of Table A of Chapter 3.2;

"Pressure drum" means a welded transportable *pressure receptacle* of a water capacity exceeding 150 litres and of not more than 1 000 litres, (e.g. cylindrical *receptacles* equipped with rolling hoops, spheres on skids);"

⁴ In the case of a *tank-wagon* the term "operator" is equivalent to the term "keeper" as defined in Article 2, n) of Appendix G to COTIF (ATMF) and in Article 3s of the Rail Safety Directive (Directive 2004/49/EC of the European Parliament and of the Council of 29 April 2004 on safety on the Community's railways and amending Council Directive 95/18/EC on the licensing of railway undertakings, and Directive 2001/14/EC on the allocation of railway infrastructure capacity and the levying of charges for the use of railway infrastructure and safety certification) and in Article 2s of Directive 2008/57/EC of the European Parliament and of the Council of 17 June 2008 on the interoperability of the rail system within the Community.

"Pressure receptacle" means a collective term that includes *cylinders, tubes, pressure drums, closed cryogenic receptacles, metal hydride storage systems, bundles of cylinders and salvage pressure receptacles*;

"Pressurized gas cartridge", see *"Aerosol or aerosol dispenser"*;

"Protected IBC" (for *metal IBCs*) means an *IBC* provided with additional protection against impact, the protection taking the form of, for example, a multi-layer (sandwich) or double-wall construction, or a frame with a metal lattice-work casing;

Q

"Quality assurance" means a systematic programme of controls and inspections applied by any organization or body which is aimed at providing confidence that the safety prescriptions in RID are met in practice;

R

"Radiation level", for the carriage of Class 7 material, means the corresponding dose rate expressed in millisieverts per hour;

"Radioactive contents", for the carriage of Class 7 material, mean the radioactive material together with any contaminated or activated *solids, liquids, and gases* within the *packaging*;

"Railway infrastructure" means all tracks and fixed equipment necessary for the movement of rail traffic and transport safety;

"Railway infrastructure manager" means any public body or *undertaking* responsible in particular for establishing or maintaining the *railway infrastructure*, and for managing the control and safety systems;

"Receptacle" (Class 1) includes *boxes, bottles, cans, drums, jars and tubes*, including any means of closure used in the *inner* or *intermediate* packaging;

"Receptacle" means a containment vessel for receiving and holding substances or articles, including any means of closing. This definition does not apply to *shells* (see also *"Cryogenic receptacle"*, *"Inner receptacle"*, *"Pressure receptacle"*, *"Rigid inner receptacle"* and *"Gas cartridge"*);

"Reconditioned packaging" means in particular

(a) *metal drums* that are:

- (i) cleaned to original materials of construction, with all former contents, internal and external corrosion, and external coatings and labels removed;
- (ii) restored to original shape and contour, with chimes (if any) straightened and sealed and all non-integral gaskets replaced; and
- (iii) inspected after cleaning but before painting, with rejection of *packagings* with visible pitting, significant reduction in the material thickness, metal fatigue, damaged threads or closures or other significant defects;

(b) *plastics drums and jerricans* that:

- (i) are cleaned to original materials of construction, with all former contents, external coatings and labels removed;
- (ii) have all non-integral gaskets replaced; and
- (iii) are inspected after cleaning with rejection of *packagings* with visible damage such as tears, creases or cracks, or damaged threads or closures or other significant defects;

"Recycled plastics material" means material recovered from used industrial *packagings* that has been cleaned and prepared for processing into new *packagings*;

"Reel" (Class 1) means a device made of plastics, wood, fibreboard, metal or other suitable material comprising a central spindle with, or without, side walls at each end of the spindle. Articles and substances can be wound onto the spindle and may be retained by side walls;

"Reference steel" means a steel with a tensile strength of 370 N/mm² and an elongation at fracture of 27%;

"Remanufactured IBC", see *"Intermediate Bulk Container (IBC)"*;

"Remanufactured large packaging", see *"Large packaging"*;

"Remanufactured packaging" means in particular

- (a) metal *drums* that:
 - (i) are produced as a UN type complying with the requirements of Chapter 6.1 from a non-UN type;
 - (ii) are converted from one UN type complying with the requirements of Chapter 6.1 to another UN type; or
 - (iii) undergo the replacement of integral structural components (such as non-removable heads);
- (b) plastics *drums* that:
 - (i) are converted from one UN type to another UN type (e.g. 1H1 to 1H2); or
 - (ii) undergo the replacement of integral structural components.

Remanufactured *drums* are subject to the requirements of Chapter 6.1 which apply to new *drums* of the same type;

"Repaired IBC", see *"Intermediate Bulk Container (IBC)"*;

"Reused large packaging", see *"Large packaging"*;

"Reused packaging" means a *packaging* which has been examined and found free of defects affecting the ability to withstand the performance tests. The term includes those which are refilled with the same or similar compatible contents and are carried within distribution chains controlled by the *consignor* of the product;

"Rigid inner receptacle" (for *composite IBCs*) means a *receptacle* which retains its general shape when empty without its closures in place and without benefit of the outer casing. Any inner receptacle that is not "rigid" is considered to be "flexible";

"Rigid plastics IBC" means a rigid plastics *body*, which may have structural equipment together with appropriate *service equipment*;

"Routine maintenance of flexible IBC", see *Intermediate Bulk Container (IBC)"*;

"Routine maintenance of rigid IBCs", see *"Intermediate Bulk Container (IBC)"*;

S

"Safety valve" means a spring-loaded device which is activated automatically by pressure the purpose of which is to protect the *tank* against unacceptable excess internal pressure;

"SADT" see *"Self-accelerating decomposition temperature"*;

"Salvage packaging" means a special *packaging* into which damaged, defective, leaking or non-conforming *dangerous goods packages*, or *dangerous goods* that have spilled or leaked are placed for purposes of carriage for recovery or disposal;

"Salvage pressure receptacle" means a pressure receptacle with a water capacity not exceeding 1 000 litres into which are placed damaged, defective, leaking or non-conforming pressure receptacle(s) for the purpose of carriage e.g. for recovery or disposal;

"Self-accelerating decomposition temperature" (SADT) means the lowest temperature at which self-accelerating decomposition may occur with substance in the *packaging* as used during *carriage*. Provisions for determining the SADT and the effects of heating under confinement are contained in Part II of the *Manual of Tests and Criteria*;

"Self-operating ventilation valve" means a venting device on *shells* with bottom discharge which is connected to the bottom valve and in normal operation is only opened during loading or unloading for the ventilation of *shells*.

"Service equipment"

- (a) of the *tank* means filling and emptying, venting, safety, heating and heat insulating devices and measuring instruments;

NOTE: For *portable tanks*, see Chapter 6.7.

- (b) of the elements of a *battery-wagon* or of a *MEGC* means filling and emptying devices, including the manifold, safety devices and measuring instruments;
- (c) of an *IBC* means the filling and discharge devices and any pressure-relief or venting, safety, heating and heat insulating devices and measuring instruments;

"Settled pressure" means the pressure of the contents of a *pressure receptacle* in thermal and diffusive equilibrium;

"Sheeted container", see *"Container"*;

"Sheeted wagon" means an *open wagon* provided with a sheet to protect the load;

"Shell" means the sheathing containing the substance (including the openings and their closures);

NOTE 1: This definition does not apply to receptacles.

2: For *portable tanks*, see Chapter 6.7.

"Sift-proof packaging" means a *packaging* impermeable to dry contents, including fine *solid* material produced during *carriage*;

"Small container", see *"Container"*;

"Small receptacle containing gas (gas cartridge)" means a non-refillable *receptacle* meeting the relevant requirements of 6.2.6 containing, under pressure, a *gas* or a mixture of gases. It may be fitted with a valve;

"Solid" means:

- (a) a substance with a melting point or initial melting point of more than 20 °C at a pressure of 101.3 kPa, or
- (b) a substance which is not liquid according to the ASTM D 4359-90 test method or which is pasty according to the criteria applicable to the test for determining fluidity (penetrometer test) described in 2.3.4;

"Structural equipment"

- (a) for *tanks* of a *tank-wagon*, means the external or internal reinforcing, fastening or protective members of the *shell*;
- (b) for *tanks* of a *tank-container*, means the external or internal reinforcing, fastening, protective or stabilizing members of the *shell*;

NOTE: For *portable tanks*, see Chapter 6.7.

- (c) for elements of a *battery-wagon* or an *MEGC* means the external or internal reinforcing, fastening, protective or stabilizing members of the *shell* or *receptacle*;
- (d) for *IBCs* other than *flexible IBCs* means the reinforcing, fastening, handling, protective or stabilizing members of the *body* (including the base pallet for *composite IBCs with plastics inner receptacle*);

"Swap body", see *"Container"*;

T

"Tank" means a *shell*, including its *service* and *structural equipment*. When used alone, the term *tank* means a *tank-container*, *portable tank*, *tank-wagon*, and *dismountable tank* as defined in this Part, including *tanks* forming elements of *battery-wagons* or *MEGCs*;

NOTE: For *portable tanks*, see 6.7.4.1.

"Tank-container" means an article of transport equipment meeting the definition of a *container*, and comprising a *shell* and items of equipment, including the equipment to facilitate movement of the *tank-container* without significant change of attitude, used for the *carriage* of *gases*, *liquid*, powdery or granular substances and, when used for the *carriage* of *gases* as defined in 2.2.2.1.1, having a capacity of more than 0.45 m³ (450 litres);

NOTE: *IBCs* which meet the requirements of Chapter 6.5 are not considered to be *tank-containers*.

"Tank record" means a file containing all the important technical information concerning a *tank*, a *battery-wagon* or a *MEGC*, such as certificates referred to in 6.8.2.3, 6.8.2.4 and 6.8.3.4;

"Tank swap body" is considered to be a *tank-container*;

"Tank-wagon" means a *wagon* intended for the *carriage* of *liquids*, *gases*, powdery or granular substances, comprising a superstructure, consisting of one or more *shells* and an underframe fitted with its own items of equipment (running gear, suspension, buffing, traction, braking gear and inscriptions);

NOTE: *Tank-wagon* also includes *wagons* with *dismountable tanks*.

"Technical name" means a recognized chemical name, if relevant a biological name, or other name currently used in scientific and technical handbooks, journals and texts (see 3.1.2.8.1.1);

"Test pressure" means the required pressure applied during a pressure test for initial or periodic inspection (see also *"Calculation pressure"*, *"Discharge pressure"*, *"Filling pressure"* and *"Maximum working pressure (gauge pressure)"*);

NOTE: For *portable tanks*, see Chapter 6.7.

"Through or into", for the carriage of Class 7 material, means through or into the countries in which a consignment is carried but specifically excludes countries "over" which a consignment is carried by air provided that there are no scheduled stops in those countries;

"Transport document" means the consignment note in accordance with the Contract of Carriage (see CIM), the wagon note in accordance with the General Contract of Use for Wagons (GCU)⁵ or another transport document meeting the provisions of section 5.4.1;

"Transport index (TI)" assigned to a package, overpack or container, or to unpackaged LSA-I or SCO-I, for the carriage of Class 7 material, means a number which is used to provide control over radiation exposure;

"Tray" (Class 1) means a sheet of metal, plastics, fibreboard or other suitable material which is placed in the inner, intermediate or outer packaging and achieves a close-fit in such packaging. The surface of the tray may be shaped so that packagings or articles can be inserted, held secure and separated from each other;

"Tube" (Class 2) means a seamless transportable pressure receptacle of a water capacity exceeding 150 litres and of not more than 3 000 litres;

U

"UIC" means the International Union of Railways (UIC, 16 rue Jean Rey, F-75015 Paris);

"Undertaking", see "Enterprise";

"UNECE" means the United Nations Economic Commission for Europe (UNECE, Palais des Nations, 8-14 avenue de la Paix, CH-1211 Geneva 10);

"Unloader" means any enterprise which:

- (a) Removes a container, bulk-container, MEGC, tank-container or portable tank from a wagon; or
- (b) Unloads packaged dangerous goods, small containers or portable tanks out of or from a wagon or a container, or
- (c) Discharges dangerous goods from a tank (tank-wagon, demountable tank, portable tank or tank-container) or from a battery-wagon or MEGC or from a wagon, large container or small container for carriage in bulk or a bulk-container.

"UN Model Regulations" means the Model Regulations annexed to the seventeenth revised edition of the Recommendations on the Transport of Dangerous Goods published by the United Nations (ST/SG/AC.10/1/Rev.17);

"UN number" means the four-figure identification number of the substance or article taken from the UN Model Regulations;

V

"Vacuum-operated waste tank" means a tank-container or tank swap body primarily used for the carriage of dangerous wastes, with special constructional features and/or equipment to facilitate the loading and unloading of wastes as specified in Chapter 6.10. A tank which fully complies with the requirements of Chapter 6.7 or 6.8 is not considered to be a vacuum-operated waste tank;

"Vacuum valve" means a spring-loaded device which is activated automatically by pressure the purpose of which is to protect the tank against unacceptable negative internal pressure;

W

"Wagon" means a rail vehicle without its own means of propulsion that runs on its own wheels on railway tracks and is used for the carriage of goods (see also battery-wagon, closed wagon, open wagon, sheeted wagon and tank-wagon);

"Wagon load" means the exclusive use of a wagon, whether or not the loading space of the wagon is used wholly or in part;

NOTE: The corresponding term for Class 7 is "exclusive use".

"Wastes" means substances, solutions, mixtures or articles for which no direct use is envisaged but which are carried for reprocessing, dumping, elimination by incineration or other methods of disposal;

⁵ Published by the GCU Bureau, Avenue Louise, 500, BE-1050 Brussels, www.gcubureau.org.

"Wooden barrel" means a *packaging* made of natural wood, of round cross-section, having convex walls, consisting of staves and heads and fitted with hoops;

"Wooden IBC" means a rigid or collapsible wooden *body*, together with an inner *liner* (but no *inner packaging*) and appropriate *service* and *structural equipment*;

"Working pressure" means the *settled pressure* of a compressed *gas* at a reference temperature of 15 °C in a full *pressure receptacle*;

NOTE: For *tanks*, see *"Maximum working pressure(gauge pressure)"*.

"Woven plastics" (for *flexible IBCs*) means a material made from stretch tapes or monofilaments of suitable plastics material.

1.2.2 Units of measurement

1.2.2.1 The following units of measurement⁶ are applicable in RID:

Measurement of	SI Unit ⁷	Acceptable alternative unit	Relationship between units
Length	m (metre)	—	—
Area	m ² (square metre)	—	—
Volume	m ³ (cubic metre)	l ⁸ (litre)	1 l = 10 ⁻³ m ³
Time	s (second)	min (minute)	1 min = 60 s
		h (hour)	1 h = 3 600 s
		d (day)	1 d = 86 400 s
Mass	kg (kilogram)	g (gramme)	1 g = 10 ⁻³ kg
		t (ton)	1 t = 10 ³ kg
Mass density	kg/m ³	kg/l	1 kg/l = 10 ⁻³ kg/m ³
Temperature	K (kelvin)	°C (degree Celsius)	0 °C = 273.15 K
Temperature difference	K (kelvin)	°C (degree Celsius)	1 °C = 1 K
Force	N (newton)	—	1 N = 1 kg·m/s ²

⁶ The following round figures are applicable for the conversion of the units hitherto used into SI Units.

Force

1 kg = 9.807 N

1 N = 0.102 kg

Stress

1 kg/mm² = 9.807 N/mm²

1 N/mm² = 0.102 kg/mm²

Pressure

1 Pa = 1 N/m² = 10⁻⁵ bar = 1.02·10⁻⁵ kg/cm² = 0.75·10⁻² torr

1 bar = 10⁵ Pa = 1.02 kg/cm² = 750 torr

1 kg/cm² = 9.807·10⁴ Pa = 0.9807 bar = 736 torr

1 torr = 1.33·10² Pa = 1.33·10⁻³ bar = 1.36·10⁻³ kg/cm²

Energy, Work, Quantity of heat

1 J = 1 Nm = 0.278·10⁻⁶ kWh = 0.102 kgm = 0.239·10⁻³ kcal

1 kWh = 3.6·10⁶ J = 367·10³ kgm = 860 kcal

1 kgm = 9.807 J = 2.72·10⁻⁶ kWh = 2.34·10⁻³ kcal

1 kcal = 4.19·10³ J = 1.16·10³ kWh = 427 kgm

Power

1 W = 0.102 kgm/s = 0.86 kcal/h

1 kgm/s = 9.807 W = 8.43 kcal/h

1 kcal/h = 1.16 W = 0.119 kgm/s

Kinematic viscosity

1 m²/s = 10⁴ St (Stokes)

1 St = 10⁻⁴ m²/s

Dynamic viscosity

1 Pa·s = 1 N·s/m² = 10 P (poise) = 0.102 kg·s/m²

1 P = 0.1 Pa·s = 0.1 N·s/m² = 1.02·10⁻² kg·s/m²

1 kg·s/m² = 9.807 Pa·s = 9.807 N·s/m² = 98.07 P

⁷ The International System of Units (SI) is the result of decisions taken at the General Conference on Weights and Measures (Address: Pavillon de Breteuil, Parc de St-Cloud, F-92 310 Sèvres).

⁸ The abbreviation "L" for litre may also be used in place of the abbreviation "l" when a typewriter cannot distinguish between figure "1" and letter "l".

Pressure	Pa (pascal)		1 Pa = 1 N/m ²
		bar (bar)	1 bar = 10 ⁵ Pa
Stress	N/m ²	N/mm ²	1 N/mm ² = 1 MPa
Work	J (joule)	kWh (kilowatt hours)	1 kWh = 3.6 MJ
Energy	J (joule)		1 J = 1 N·m = 1 W·s
Quantity of heat	J (joule)	eV (electronvolt)	1 eV = 0.1602·10 ⁻¹⁸ J
Power	W (watt)	–	1 W = 1 J/s = 1 N·m/s
Kinematic viscosity	m ² /s	mm ² /s	1 mm ² /s = 10 ⁻⁶ m ² /s
Dynamic viscosity	Pa·s	mPa·s	1 mPa·s = 10 ⁻³ Pa·s
Activity	Bq (becquerel)		
Dose equivalent	Sv (sievert)		

The decimal multiples and sub-multiples of a unit may be formed by prefixes or symbols, having the following meanings, placed before the name or symbol of the unit:

Factor		Prefix	Symbol
1 000 000 000 000 000 000 = 10 ¹⁸	quintillion	exa	E
1 000 000 000 000 000 = 10 ¹⁵	quadrillion	peta	P
1 000 000 000 000 = 10 ¹²	trillion	tera	T
1 000 000 000 = 10 ⁹	billion	giga	G
1 000 000 = 10 ⁶	million	mega	M
1 000 = 10 ³	thousand	kilo	k
100 = 10 ²	hundred	hecto	h
10 = 10 ¹	ten	deca	da
0.1 = 10 ⁻¹	tenth	deci	d
0.01 = 10 ⁻²	hundredth	centi	c
0.001 = 10 ⁻³	thousandth	milli	m
0.000 001 = 10 ⁻⁶	millionth	micro	μ
0.000 000 001 = 10 ⁻⁹	billionth	nano	n
0.000 000 000 001 = 10 ⁻¹²	trillionth	pico	p
0.000 000 000 000 001 = 10 ⁻¹⁵	quadrillionth	femto	f
0.000 000 000 000 000 001 = 10 ⁻¹⁸	quintillionth	atto	a

NOTE: 10⁹ billion is United Nations usage in English. By analogy, so is 10⁻⁹ = 1 billionth.

1.2.2.2 Unless expressly stated otherwise, the sign "%" in RID represents:

- In the case of mixtures of solids or of liquids, and also in the case of solutions and of solids wetted by a liquid, a percentage mass based on the total mass of the mixture, the solution or the wetted solid;
- In the case of mixtures of compressed gases, when filled by pressure, the proportion of the volume indicated as a percentage of the total volume of the gaseous mixture, or, when filled by mass, the proportion of the mass indicated as a percentage of the total mass of the mixture;
- In the case of mixtures of liquefied gases and dissolved gases, the proportion of the mass indicated as a percentage of the total mass of the mixture.

1.2.2.3 Pressures of all kinds relating to receptacles (such as test pressure, internal pressure, safety valve opening pressure) are always indicated in gauge pressure (pressure in excess of atmospheric pressure); however, the vapour pressure of substances is always expressed in absolute pressure.

1.2.2.4 Where RID specifies a degree of filling for receptacles, this is always related to a reference temperature of the substances of 15 °C, unless some other temperature is indicated.

Chapter 1.3 Training of persons involved in the carriage of dangerous goods

1.3.1 Scope and applicability

Persons employed by the participants referred to in Chapter 1.4, whose duties concern the carriage of dangerous goods, shall be trained in the requirements governing the carriage of such goods appropriate to their responsibilities and duties. Employees shall be trained in accordance with 1.3.2 before assuming responsibilities and shall only perform functions, for which required training has not yet been provided, under the direct supervision of a trained person. Training requirements specific to security of dangerous goods in Chapter 1.10 shall also be addressed.

NOTE 1: With regard to the training for the safety adviser, see 1.8.3 instead of this section.

2: (Reserved)

3: For training with regard to Class 7, see also 1.7.2.5.

1.3.2 Nature of the training

The training shall take the following form, appropriate to the responsibility and duties of the individual concerned.

1.3.2.1 General awareness training

Personnel shall be familiar with the general requirements of the provisions for the carriage of dangerous goods.

1.3.2.2 Function-specific training

Personnel shall be trained, commensurate directly with their duties and responsibilities in the requirements of the regulations concerning the carriage of dangerous goods.

Where the carriage of dangerous goods involves a multimodal transport operation, the personnel shall be aware of the requirements concerning other transport modes.

The carrier's and railway infrastructure manager's personnel shall also be trained in matters specific to rail transport. This training shall be in the form of basic training and specialized training.

(a) Basic training for all personnel:

All personnel shall be trained in the meaning of the danger labels and of the orange-coloured marking. In addition, personnel shall be aware of the procedure for reporting irregularities.

(b) Specialized training for operational personnel directly involved in the carriage of dangerous goods:

In addition to the basic training described under (a), personnel shall be trained commensurate with their duties.

Personnel shall be trained on the subjects covered by the specialized training, which are divided into three categories in 1.3.2.2.2, on the basis of the groups in 1.3.2.2.1.

1.3.2.2.1 The following Table sets out the groups of personnel for the individual categories:

Category	Description of category	Personnel
1	Operations personnel involved directly in the transport of dangerous goods	Drivers and marshalling staff or personnel with an equivalent function
2	Personnel responsible for the technical control of wagons used for the transport of dangerous goods	Rolling stock technician or personnel with an equivalent function
3	Personnel responsible for guiding and controlling rail and marshalling services and management personnel of the railway infrastructure manager	Controllers, signallers, control centre personnel or personnel with an equivalent function

1.3.2.2.2 Special subjects to be covered by the specialized training shall be, at least:

(a) Drivers or personnel with an equivalent function of category 1:

- how to access the necessary information concerning the composition of the train, the presence of dangerous goods and where they are situated in the train;
- types of irregularity;
- dealing in critical situations with irregularities, taking measures relating to the protection of their own train and nearby traffic.

Marshallers or personnel with an equivalent function of category 1:

- meaning of the shunting labels in accordance with Models 13 and 15 of RID (see 5.3.4.2);
- protective distances for goods of Class 1 in accordance with RID 7.5.3;
- types of irregularity.

(b) Wagon technician or personnel with an equivalent function of category 2:

- performance of inspections in accordance with Appendix 9 of the General Contract of Use for Wagons (GCU)⁹ – Conditions for the technical transfer inspection of wagons;
- carrying out the checks described in 1.4.2.2.1 (only for personnel who perform the checks described in 1.4.2.2.1);
- recognition of irregularities.

(c) Traffic controller, signal box personnel, control centre personnel or personnel with an equivalent function of category 3:

- dealing with critical situations in the event of irregularities;
- internal emergency plans for marshalling yards in accordance with Chapter 1.11 of RID.

1.3.2.3 **Safety training**

Commensurate with the degree of risk of injury or exposure arising from an incident involving the carriage of dangerous goods, including loading and unloading, personnel shall be trained in the hazards and dangers presented by dangerous goods.

The training provided shall aim to make personnel aware of the safe handling and emergency response procedures.

1.3.2.4 The training shall be periodically supplemented with refresher training to take account of changes in regulations.**1.3.3** **Documentation**

Records of training received according to this Chapter shall be kept by the employer and made available to the employee or competent authority, upon request. Records shall be kept by the employer for a period of time established by the competent authority. Records of training shall be verified upon commencing a new employment.

⁹ Published by the GCU Bureau, Avenue Louise, 500, BE-1050 Brussels, www.gcubureau.org.

Chapter 1.4 Safety obligations of the participants

1.4.1 General safety measures

1.4.1.1 The participants in the carriage of dangerous goods shall take appropriate measures according to the nature and the extent of foreseeable dangers, so as to avoid damage or injury and, if necessary, to minimize their effects. They shall, in all events, comply with the requirements of RID in their respective fields.

1.4.1.2 When there is an immediate risk that public safety may be jeopardized, the participants shall immediately notify the emergency services and shall make available to them the information they require to take action.

1.4.1.3 RID may specify certain of the obligations falling to the various participants.

If an RID Contracting State considers that no lessening of safety is involved, it may in its domestic legislation transfer the obligations falling to a specific participant to one or several other participants, provided that the obligations of 1.4.2 and 1.4.3 are met. These derogations shall be communicated by the RID Contracting State to the Secretariat of OTIF which will bring them to the attention of the other RID Contracting States.

The requirements of 1.2.1, 1.4.2 and 1.4.3 concerning the definitions of participants and their respective obligations shall not affect the provisions of domestic law concerning the legal consequences (criminal nature, liability, etc.) stemming from the fact that the participant in question is e.g. a legal entity, a self-employed worker, an employer or an employee.

1.4.2 Obligations of the main participants

NOTE 1: Several participants to which safety obligations are assigned in this section may be one and the same enterprise. Also, the activities and the corresponding safety obligations of a participant can be assumed by several enterprises.

2: For radioactive materials see also 1.7.6.

1.4.2.1 Consignor

1.4.2.1.1 The consignor of dangerous goods is required to hand over for carriage only consignments which conform to the requirements of RID. In the context of 1.4.1, he shall in particular:

- (a) ascertain that the dangerous goods are classified and authorized for carriage in accordance with RID;
- (b) furnish the carrier with information and data in a traceable form and, if necessary, the required transport documents and accompanying documents (authorizations, approvals, notifications, certificates, etc.), taking into account in particular the requirements of Chapter 5.4 and of Table A of Chapter 3.2
- (c) use only packagings, large packagings, intermediate bulk containers (IBCs) and tanks (tank-wagons, demountable tanks, battery-wagons, MEGCs, portable tanks and tank-containers) approved for and suited to the carriage of the substances concerned and bearing the markings prescribed by RID;
- (d) comply with the requirements on the means of dispatch and on forwarding restrictions;
- (e) ensure that even empty uncleaned and not degassed tanks (tank-wagons, demountable tanks, battery-wagons, MEGCs, portable tanks and tank-containers) or empty uncleaned wagons and large and small bulk containers are appropriately marked and labelled and that empty uncleaned tanks are closed and present the same degree of leakproofness as if they were full.

1.4.2.1.2 If the consignor uses the services of other participants (packer, loader, filler, etc.), he shall take appropriate measures to ensure that the consignment meets the requirements of RID. He may, however, in the case of 1.4.2.1.1 (a), (b), (c) and (e), rely on the information and data made available to him by other participants.

1.4.2.1.3 When the consignor acts on behalf of a third party, the latter shall inform the consignor in writing that dangerous goods are involved and make available to him all the information and documents he needs to perform his obligations.

1.4.2.2 Carrier

1.4.2.2.1 In the context of 1.4.1, the carrier who takes over the dangerous goods at the point of departure shall in particular:

- (a) ascertain that the dangerous goods to be carried are authorized for carriage in accordance with RID;
- (b) ascertain that all information prescribed in RID related to the dangerous goods to be carried has been provided by the consignor before carriage, that the prescribed documentation is attached to the transport document or if electronic data processing (EDP) or if electronic data interchange (EDI) techniques are used instead of paper documentation, that data is available during transport in a manner at least equivalent to that of paper documentation;
- (c) ascertain visually that the wagons and loads have no obvious defects, leakages or cracks, missing equipment, etc.;

- (d) ascertain that the deadline for the next test for tank-wagons, battery-wagons, wagons with demountable tanks, portable tanks, tank-containers and MEGCs has not expired;

NOTE: Tanks, battery-wagons and MEGCs may however be carried after the expiry of this deadline under the conditions of 4.1.6.10 (in the case of battery-wagons and MEGCs containing pressure receptacles as elements), 4.2.4.4, 4.3.2.4.4, 6.7.2.19.6, 6.7.3.15.6 or 6.7.4.14.6.

- (e) verify that the wagons are not overloaded;
- (f) ascertain that the danger labels and markings prescribed for the wagons have been affixed;
- (g) ascertain that the equipment prescribed in the instructions in writing is in the driver's cab.

Where appropriate, this shall be done on the basis of the transport documents and accompanying documents, by a visual inspection of the wagon or the containers and, where appropriate, the load.

The requirements of this paragraph are considered to have been complied with if Section 5¹⁰ of UIC leaflet 471-3 O ("Inspections of dangerous goods consignments") is applied.

- 1.4.2.2.2** The carrier may, however, in the case of 1.4.2.2.1 (a), (b), (e) and (f), rely on information and data made available to him by other participants.
- 1.4.2.2.3** If the carrier observes an infringement of the requirements of RID, in accordance with 1.4.2.2.1, he shall not forward the consignment until the matter has been rectified.
- 1.4.2.2.4** If, during the journey, an infringement which could jeopardize the safety of the operation is observed, the consignment shall be halted as soon as possible bearing in mind the requirements of traffic safety, of the safe immobilisation of the consignment, and of public safety.

The transport operation may only be continued once the consignment complies with applicable regulations. The competent authority(ies) concerned by the rest of the journey may grant an authorization to pursue the transport operation.

In case the required compliance cannot be achieved and no authorization is granted for the rest of the journey, the competent authority(ies) shall provide the carrier with the necessary administrative assistance. The same shall apply in case the carrier informs this/these competent authority(ies) that the dangerous nature of the goods carried was not communicated to him by the consignor and that he wishes, by virtue of the law applicable in particular to the contract of carriage, to unload, destroy or render the goods harmless.

- 1.4.2.2.5** The carrier shall ensure that the manager of the railway infrastructure being used is able to obtain at any time during carriage rapid and unrestricted access to the information allowing him to meet the requirements of 1.4.3.6 (b).
- NOTE:** The arrangements by which the data are provided shall be laid down in the rules for using the railway infrastructure.

- 1.4.2.2.6** The carrier shall provide the driver with the instructions in writing as prescribed in 5.4.3.

1.4.2.3 Consignee

- 1.4.2.3.1** The consignee has the obligation not to defer acceptance of the goods without compelling reasons and to verify, after unloading, that the requirements of RID concerning him have been complied with.
- 1.4.2.3.2** A wagon or container may only be returned or reused once the requirements of RID concerning the unloading have been complied with.
- 1.4.2.3.3** If the consignee makes use of the services of other participants (unloader, cleaner, decontamination facility, etc.) he shall take appropriate measures to ensure that the requirements of 1.4.2.3.1 and 1.4.2.3.2 of RID have been complied with.

1.4.3 Obligations of the other participants

A non-exhaustive list of the other participants and their respective obligations is given below. The obligations of the other participants flow from section 1.4.1 above insofar as they know or should have known that their duties are performed as part of a transport operation subject to RID.

¹⁰ Version of the UIC leaflet applicable as from 1 January 2013.

1.4.3.1 Loader

1.4.3.1.1 In the context of 1.4.1, the loader has the following obligations in particular:

- (a) he shall hand the dangerous goods over to the carrier only if they are authorized for carriage in accordance with RID;
- (b) he shall, when handing over for carriage packed dangerous goods or uncleaned empty packagings, check whether the packaging is damaged. He shall not hand over a package the packaging of which is damaged, especially if it is not leakproof, and there are leakages or the possibility of leakages of the dangerous substance, until the damage has been repaired; this obligation also applies to empty uncleaned packagings;
- (c) he shall, when loading dangerous goods in a wagon, or a large or small container, comply with the special requirements concerning loading and handling;
- (d) he shall, when he hands dangerous goods over for carriage directly, comply with the requirements concerning placarding on the wagon or large container or the orange plates on the wagon or large container;
- (e) he shall, when loading packages, comply with the prohibitions on mixed loading taking into account dangerous goods already in the wagon or large container and requirements concerning the separation of foodstuffs, other articles of consumption or animal feedstuffs.

1.4.3.1.2 The loader may, however, in the case of 1.4.3.1.1 (a), (d) and (e), rely on information and data made available to him by other participants.

1.4.3.2 Packer

In the context of 1.4.1, the packer shall comply with in particular:

- (a) the requirements concerning packing conditions, or mixed packing conditions and,
- (b) when he prepares packages for carriage, the requirements concerning marking and labelling of the packages.

1.4.3.3 Filler

In the context of 1.4.1, the filler has the following obligations in particular:

- (a) he shall ascertain prior to the filling of tanks that both they and their equipment are technically in a satisfactory condition;

NOTE: The filler shall establish procedures to check the correct functioning of the closures of the tank of a tank-wagon and to ensure the leaktightness of the closing devices before and after filling. Guidelines in the form of checklists for tank-wagons for liquids, issued by the European Chemical Industry Council (CEFIC), are available on the OTIF website (www.otif.org).

- (b) he shall ascertain that the date of the next test for tank-wagons, battery-wagons, wagons with demountable tanks, portable tanks, tank-containers and MEGCs has not expired;
- (c) he shall only fill tanks with the dangerous goods authorized for carriage in those tanks;
- (d) he shall, in filling the tank, comply with the requirements concerning dangerous goods in adjoining compartments;
- (e) he shall, during the filling of the tank, observe the maximum permissible degree of filling or the maximum permissible mass of contents per litre of capacity for the substance being filled;
- (f) he shall, after filling the tank, ensure that all closures are in a closed position and that there is no leakage;

NOTE: The filler shall establish procedures to check the correct functioning of the closures of the tank of a tank-wagon and to ensure the leaktightness of the closing devices before and after filling. Guidelines in the form of checklists for tank-wagons for liquids, issued by the European Chemical Industry Council (CEFIC), are available on the OTIF website (www.otif.org).

- (g) he shall ensure that no dangerous residue of the filling substance adheres to the outside of the tanks filled by him;
- (h) he shall, in preparing the dangerous goods for carriage, ensure that the orange plates, labels or placards, marks for elevated temperature substances and environmentally hazardous substances as well as shunting labels prescribed are affixed on the tanks, on the wagons and on the large and small containers in accordance with the requirements;
- (i) he shall, before and after filling tank-wagons with a liquefied gas, observe the applicable special checking requirements;
- (j) he shall, when filling wagons or containers with dangerous goods in bulk, ascertain that the relevant provisions of Chapter 7.3 are complied with.

1.4.3.4 Tank-container/portable tank operator

In the context of 1.4.1, the tank-container/portable tank operator shall in particular:

- (a) ensure compliance with the requirements for construction, equipment, tests and marking;
- (b) ensure that the maintenance of shells and their equipment is carried out in such a way as to ensure that, under normal operating conditions, the tank-container/portable tank satisfies the requirements of RID until the next inspection;
- (c) have an exceptional check made when the safety of the shell or its equipment is liable to be impaired by a repair, an alteration or an accident.

1.4.3.5 Tank-wagon operator

In the context of 1.4.1, the tank-wagon operator shall in particular:

- (a) ensure compliance with the requirements for construction, equipment, tests and marking;
- (b) ensure that the maintenance of tanks and their equipment is carried out in such a way as to ensure that, under normal operating conditions, the tank-wagon satisfies the requirements of RID until the next inspection;
- (c) have an exceptional check made when the safety of the shell or its equipment is liable to be impaired by a repair, an alteration or an accident.

1.4.3.6 Railway infrastructure manager

In the context of 1.4.1, the railway infrastructure manager has in particular the following obligations. The railway infrastructure manager

- (a) shall ensure that internal emergency plans for marshalling yards are prepared in accordance with Chapter 1.11;
- (b) shall ensure that he has rapid and unrestricted access to the following information at any time during carriage:
 - composition of the train by indicating the number of each wagon and the wagon type if this is not included in the wagon number,
 - UN numbers of the dangerous goods being carried in or on each wagon, or if only dangerous goods packed in limited quantities in accordance with Chapter 3.4 are being carried, information indicating their presence when marking of the wagon or large container in accordance with Chapter 3.4 is required,
 - position of each wagon in the train (wagon order).

This information shall only be disclosed to those parties that require it for safety, security or emergency response purposes.

NOTE: The arrangements by which the data are provided shall be laid down in the rules for using the railway infrastructure.

1.4.3.7 Unloader

NOTE: In this sub-section, unloading covers removal, unloading and discharging as indicated in the definition of unloader in 1.2.1.

1.4.3.7.1 In the context of 1.4.1, the unloader shall in particular:

- (a) ascertain that the correct goods are unloaded by comparing the relevant information on the transport document with the information on the package, container, tank, MEGC or wagon;
- (b) before and during unloading, check whether the packagings, the tank, the wagon or container have been damaged to an extent which would endanger the unloading operation. If this is the case, ascertain that unloading is not carried out until appropriate measures have been taken;

NOTE: The unloader shall establish procedures to check the correct functioning of the closures of the tank of a tank-wagon and to ensure the leaktightness of the closing devices before and after unloading. Guidelines in the form of checklists for tank-wagons for liquids, issued by the European Chemical Industry Council (CEFIC), are available on the OTIF website (www.otif.org).

- (c) comply with all relevant requirements concerning unloading;
- (d) immediately following the unloading of the tank, wagon or container:
 - (i) remove any dangerous residues which have adhered to the outside of the tank, wagon or container during the process of unloading; and
 - (ii) ensure the closure of valves and inspection openings;

NOTE: The unloader shall establish procedures to check the correct functioning of the closures of the tank of a tank-wagon and to ensure the leaktightness of the closing devices before and after unloading. Guidelines in the form of checklists for tank-wagons for liquids, issued by the European Chemical Industry Council (CEFIC), are available on the OTIF website (www.otif.org).

- (e) ensure that the prescribed cleaning and decontamination of the wagons or containers is carried out;
and
 - (f) ensure that the wagons and containers once completely unloaded, cleaned, degassed and decontaminated, no longer display placards and orange-coloured plate markings.
- 1.4.3.7.2** If the unloader makes use of the services of other participants (cleaner, decontamination facility, etc.) he shall take appropriate measures to ensure that the requirements of RID have been complied with.

Chapter 1.5 Derogations

1.5.1 Temporary derogations

- 1.5.1.1** The competent authorities of the RID Contracting States may agree directly among themselves to authorize certain transport operations in their territories by temporary derogation from the requirements of RID, provided that safety is not compromised thereby. The authority which has taken the initiative with respect to the temporary derogation shall notify such derogations to the Secretariat of OTIF which shall bring them to the attention of the RID Contracting States¹¹.

NOTE: "Special arrangement" in accordance with 1.7.4 is not considered to be a temporary derogation in accordance with this section.

- 1.5.1.2** The period of validity of the temporary derogation shall not be more than five years from the date of its entry into force. The temporary derogation shall automatically cease as from the date of the entry into force of a relevant amendment to RID.

- 1.5.1.3** Transport operations on the basis of temporary derogations shall constitute transport operations in the sense of Appendix C of COTIF.

1.5.2 Military consignments

Derogations apply to military consignments, i.e. consignments with substances or articles of Class 1 belonging to the armed forces or for which the armed forces are responsible (see 5.2.1.5, sub-sections 5.2.2.1.8, 5.3.1.1.2 and 5.4.1.2.1(f) and 7.2.4, special requirement W2).

¹¹ The special agreements concluded under this Section may be consulted on the OTIF web site (www.otif.org).

Chapter 1.6 Transitional measures

1.6.1 General

- 1.6.1.1** Unless otherwise provided, the substances and articles of RID may be carried until 30 June 2013 in accordance with the requirements of RID¹² applicable up to 31 December 2012.

NOTE: For the information in the transport document, see 5.4.1.1.12.

- 1.6.1.2** (Deleted)

- 1.6.1.3** Substances and articles of Class 1, belonging to the armed forces of an RID Contracting State, that were packaged prior to 1 January 1990 in accordance with the requirements of RID¹³ in effect at that time may be carried after 31 December 1989 provided the packagings maintain their integrity and are declared in the transport document as military goods packaged prior to 1 January 1990. The other requirements applicable as from 1 January 1990 for this class shall be complied with.

- 1.6.1.4** Substances and articles of Class 1 that were packaged between 1 January 1990 and 31 December 1996 in accordance with the requirements of RID¹⁴ in effect at that time may be carried after 31 December 1996, provided the packagings maintain their integrity and are declared in the transport document as goods of Class 1 packaged between 1 January 1990 and 31 December 1996.

- 1.6.1.5** IBCs built in accordance with the requirements of marg. 405 (5) and 555 (3) in force before 1 January 1999, but which do not meet the requirements of marg. 405 (5) and 555 (3) in force after 1 January 1999, may still be used.

- 1.6.1.6** Intermediate bulk containers (IBCs) manufactured before 1 January 2003 in accordance with the requirements of marginal 1612 (1) applicable up to 30 June 2001 and which do not conform to the requirements of 6.5.2.1.1 regarding the height of letters, numerals and symbols applicable as from 1 July 2001 may continue to be used.

- 1.6.1.7** Type approvals for drums, jerricans and composite packagings made of high or medium molecular mass polyethylene issued before 1 July 2005 in accordance with the requirements of 6.1.5.2.6 in force up to 31 December 2004, but which are not in accordance with the requirements of 4.1.1.21, continue to be valid until 31 December 2009. Any such packagings manufactured and marked on the basis of these type approvals may be used until the end of their period of use determined in 4.1.1.15.

- 1.6.1.8** Existing orange-coloured plates which meet the requirements of 5.3.2.2 applicable up to 31 December 2004 may continue to be used, provided that the requirements of 5.3.2.2.1 and 5.3.2.2.2 that the plate, numbers and letters shall remain affixed irrespective of the orientation of the wagon are met.

- 1.6.1.9** (Reserved)

- 1.6.1.10** Lithium cells or batteries manufactured before 1 July 2003 which had been tested in accordance with the requirements applicable until 31 December 2002 but which had not been tested in accordance with the requirements applicable as from 1 January 2003, and appliances containing such lithium cells or batteries, may continue to be carried up to 30 June 2013 if all the other applicable requirements are fulfilled.

- 1.6.1.11** Type approvals for drums, jerricans and composite packagings made of high or medium molecular mass polyethylene, and for high molecular mass polyethylene IBCs, issued before 1 July 2007 in accordance with the requirements of 6.1.6 (a) in force up to 31 December 2006, but which are not in accordance with the requirements of 6.1.6.1 (a) applicable as from 1 January 2007, continue to be valid.

- 1.6.1.12** (Reserved)

- 1.6.1.13** (Deleted)

- 1.6.1.14** IBCs manufactured before 1 January 2011 and conforming to a design type which has not passed the vibration test of 6.5.6.13 or which was not required to meet the criteria of 6.5.6.9.5 (d) at the time it was subjected to the drop test, may still be used.

¹² RID edition in force from 1 January 2011.

¹³ RID edition in force from 1 May 1985.

¹⁴ RID editions in force from 1 January 1990, 1 January 1993 and 1 January 1995.

- 1.6.1.15** IBCs manufactured, remanufactured or repaired before 1 January 2011 need not be marked with the maximum permitted stacking load in accordance with 6.5.2.2.2. Such IBCs, not marked in accordance with 6.5.2.2.2, may still be used after 31 December 2010 but must be marked in accordance with 6.5.2.2.2 if they are remanufactured or repaired after that date.
- 1.6.1.16** Animal material affected by pathogens included in Category B, other than those which would be assigned to Category A if they were in culture (see 2.2.62.1.12.2), may be carried in accordance with provisions determined by the competent authority until 31 December 2014.¹⁵
- 1.6.1.17** (Deleted)
- 1.6.1.18** (Deleted)
- 1.6.1.19** The provisions of 2.2.9.1.10.3 and 2.2.9.1.10.4 concerning the classification of environmentally hazardous substances applicable until 31 December 2010 may be applied until 31 December 2013.
- 1.6.1.20** Notwithstanding the requirements of Chapter 3.4 applicable as from 1 January 2011, dangerous goods packed in limited quantities, other than those which are assigned figure "0" in column (7a) of Table A of Chapter 3.2, may continue to be carried until 30 June 2015 in accordance with the requirements of Chapter 3.4 in force up to 31 December 2010. However, in such a case, the provisions of 3.4.12 to 3.4.15 in force as from 1 January 2011 may be applied as from 1 January 2011.
- 1.6.1.21** (Reserved)
- 1.6.1.22** Inner receptacles of composite IBCs manufactured before 1 July 2011 and marked in accordance with the requirements of 6.5.2.2.4 in force up to 31 December 2010 may still be used.
- 1.6.1.23** (Reserved)
- 1.6.1.24** Lithium cells and batteries manufactured before 1 January 2014 which had been tested in accordance with the requirements applicable until 31 December 2012 but which had not been tested in accordance with the requirements applicable as from 1 January 2013, and appliances containing such lithium cells or batteries, may continue to be carried if all the other applicable requirements are fulfilled.
- 1.6.1.25** Packages and overpacks marked with a UN number in accordance with the provisions of RID applicable up to 31 December 2012 and which do not conform to the requirements of 5.2.1.1 regarding the size of the UN number and of the letters "UN" applicable as from 1 January 2013 may continue to be used until 31 December 2013, and, for cylinders of 60 litres water capacity or less, until the next periodic inspection but no later than 30 June 2018.
- 1.6.1.26** Large packagings manufactured or remanufactured before 1 January 2014 and which do not conform to the requirements of 6.6.3.1 regarding the height of letters, numerals and symbols applicable as from 1 January 2013 may continue to be used. Those manufactured or remanufactured before 1 January 2015 need not be marked with the maximum permitted stacking load in accordance with 6.6.3.3. Such large packagings not marked in accordance with 6.6.3.3 may still be used after 31 December 2014 but must be marked in accordance with 6.6.3.3 if they are remanufactured after that date.
- 1.6.1.27** Means of containment integral to equipment or machinery containing liquid fuels of UN Nos. 1202, 1203, 1223, 1268, 1863 and 3475 constructed before 1 July 2013, which do not conform to the requirements of paragraph (a) of special provision 363 of Chapter 3.3 applicable as from 1 January 2013, may still be used.
- 1.6.2** **Pressure receptacles and receptacles for Class 2**
- 1.6.2.1** Receptacles built before 1 January 1997 and which do not conform to the requirements of RID applicable as from 1 January 1997, but the carriage of which was permitted under the requirements of RID applicable up to 31 December 1996, may continue to be transported after that date if the periodic test requirements in packing instructions P200 and P203 are complied with.
- 1.6.2.2** (Deleted)
- 1.6.2.3** Receptacles intended for the carriage of Class 2 substances constructed before 1 January 2003, may continue to bear, after 1 January 2003, the markings conforming to the requirements applicable until 31 December 2002.

¹⁵ Regulations for dead infected animals are contained e.g. in Regulation (EC) No. 1774/2002 of the European Parliament and of the Council of 3 October 2002 laying down health rules concerning animal by-products not intended for human consumption (Official Journal of the European Communities, No. L 273 of 10 October 2002, p. 1).

- 1.6.2.4** Pressure receptacles designed and constructed in accordance with technical codes no longer recognized according to 6.2.5 may still be used.
- 1.6.2.5** Pressure receptacles and their closures designed and constructed in accordance with standards applicable at the time of their construction (see 6.2.4) according to the provisions of RID which were applicable at that time may still be used unless restricted by a specific transitional measure.
- 1.6.2.6** Pressure receptacles for substances other than those of Class 2, built before 1 July 2009 in accordance with the requirements of 4.1.4.4 in force up to 31 December 2008, but which do not conform to the requirements of 4.1.3.6 applicable as from 1 January 2009, may continue to be used, provided that the requirements of 4.1.4.4 in force up to 31 December 2008 are complied with.
- 1.6.2.7** (Deleted)
- 1.6.2.8** (Deleted)
- 1.6.2.9** The provisions of packing instruction P 200 (10), special packing provision v of 4.1.4.1 applicable until 31 December 2010 may be applied by RID Contracting States to cylinders constructed before 1 January 2015.
- 1.6.2.10** Refillable welded steel cylinders for the carriage of gases of UN Nos. 1011, 1075, 1965, 1969 or 1978, granted 15 year intervals for periodic inspection in accordance with packing instruction P 200 (10), special packing provision v of 4.1.4.1 as applicable until 31 December 2010 by the competent authority of the country (countries) of carriage, may continue to be periodically inspected according to those provisions.
- 1.6.2.11** Gas cartridges constructed and prepared for carriage before 1 January 2013 for which the requirements of 1.8.6, 1.8.7 or 1.8.8 for the conformity assessment of gas cartridges have not been applied may still be carried after this date, provided all the other applicable provisions of RID are met.
- 1.6.2.12** Salvage pressure receptacles may continue to be constructed and approved according to national regulations up to 31 December 2013. Salvage pressure receptacles constructed and approved in accordance with national regulations before 1 January 2014 may continue to be used with the approval of the competent authorities of the countries of use.
- 1.6.3 Tank-wagons and battery-wagons**
- 1.6.3.1** Tank-wagons built before the entry into force of the requirements applicable as from 1 October 1978 may be kept in service if the equipment of the shell meets the requirements of Chapter 6.8. The thickness of the shell wall, except in the case of shells intended for the carriage of refrigerated liquefied gases of Class 2, shall be appropriate to a calculation pressure of not less than 0.4 MPa (4 bar) (gauge pressure) in the case of mild steel or of not less than 200 kPa (2 bar) (gauge pressure) in the case of aluminium and aluminium alloys.
- 1.6.3.2** The periodic tests for tank-wagons kept in service under these transitional requirements shall be conducted in accordance with the requirements of 6.8.2.4 and 6.8.3.4 and with the pertinent special requirements for the various classes. Unless the earlier requirements prescribed a higher test pressure, a test pressure of 200 kPa (2 bar) (gauge pressure) shall suffice for aluminium shells and aluminium alloy shells.
- 1.6.3.3** Tank-wagons which meet the transitional requirements in 1.6.3.1 and 1.6.3.2 may be used until 30 September 1998 for the carriage of the dangerous goods for which they have been approved. This transitional period shall not apply to tank-wagons intended for the carriage of substances of Class 2, or to tank-wagons whose wall thickness and items of equipment meet the requirements of Chapter 6.8.
- 1.6.3.4** Tank-wagons constructed before 1 January 1988 in accordance with the requirements applicable up to 31 December 1987 and which do not conform to the requirements applicable from 1 January 1988 may still be used. This also applies to tank-wagons which do not bear the inscription of the shell materials in accordance with Appendix XI, 1.6.1, required from 1 January 1988.
- 1.6.3.5** Tank-wagons, constructed before 1 January 1993 in accordance with the requirements in force up to 31 December 1992 but which do not conform to the requirements applicable as from 1 January 1993 may still be used.
- 1.6.3.6** Tank-wagons constructed before the entry into force of the requirements applicable from 1 January 1995 and which do not conform to those requirements, but were constructed according to the requirements of RID in force until that date may still be used.
- 1.6.3.7** Tank-wagons intended for the carriage of flammable liquids with a flash-point from 55 °C to 60 °C constructed before 1 January 1997 in accordance with the requirements of Appendix XI, paragraphs 1.2.7, 1.3.8 and 3.3.3 applicable up to 31 December 1996 which do not conform to the requirements of those paragraphs in force from 1 January 1997 may continue to be used.

- 1.6.3.8** When, because of amendments to RID, some proper shipping names of gases have been modified, it is not necessary to modify the names on the plate or on the shell itself (see 6.8.3.5.2 or 6.8.3.5.3), provided that the names of the gases on the tank-wagons, battery-wagons and wagons with demountable tanks or on the plates (see 6.8.3.5.6 (b) or (c)) are adapted at the first periodic test thereafter.
- 1.6.3.9** (Reserved)
- 1.6.3.10** (Reserved)
- 1.6.3.11** Tank-wagons constructed before 1 January 1997 in accordance with the requirements in force up to 31 December 1996 but which do not, however, conform to the requirements of Appendix XI, 3.3.3 and 3.3.4 applicable as from 1 January 1997, may still be used.
- 1.6.3.12** (Deleted)
- 1.6.3.13** (Deleted)
- 1.6.3.14** Tank-wagons constructed before 1 January 1999 in accordance with the requirements of Appendix XI, 5.3.6.3 and which do not conform to the requirements of Appendix XI, 5.3.6.3 in force from 1 January 1999, may still be used.
- 1.6.3.15** Tank-wagons constructed before 1 July 2007 in accordance with the requirements in force up to 31 December 2006 but which do not, however, conform to the requirements of 6.8.2.2.3 applicable as from 1 January 2007 may continue to be used until the next periodic inspection.
- 1.6.3.16** For tank-wagons and battery-wagons constructed before 1 January 2007 which do not conform to the requirements of 4.3.2, 6.8.2.3, 6.8.2.4 and 6.8.3.4 concerning the tank record, the retention of files for the tank record shall start at the latest at the next periodic inspection.
- 1.6.3.17** Tank-wagons intended for the carriage of substances of Class 3, packing group I having a vapour pressure of not more than 175 kPa (1.75 bar) (absolute) at 50 °C, constructed before 1 July 2007 in accordance with the requirements applicable up to 31 December 2006, to which tank code L1.5BN had been assigned in accordance with the requirements applicable up to 31 December 2006, may continue to be used for the carriage of the substances mentioned above, until 31 December 2022.
- 1.6.3.18** Tank-wagons and battery-wagons constructed before 1 January 2003 in accordance with the requirements in force up to 30 June 2001, but which do not, however, conform to the requirements applicable as from 1 July 2001, may still be used.
- However, they shall be marked with the relevant tank code and if applicable the relevant alphanumeric codes of special provisions TC and TE in accordance with 6.8.4.
- 1.6.3.19** (Reserved)
- 1.6.3.20** Tank-wagons constructed before 1 July 2003 in accordance with the requirements in force up to 31 December 2002 but which do not, however, conform to the requirements of 6.8.2.1.7 applicable as from 1 January 2003 and special provision TE15 of 6.8.4 (b) applicable from 1 January 2003 to 31 December 2006 may still be used.
- 1.6.3.21** (Deleted)
- 1.6.3.22** Tank-wagons whose shells are made of aluminium alloys, constructed before 1 January 2003 in accordance with the requirements in force until 31 December 2002 and which do not comply with the requirements in force from 1 January 2003, may still be used.
- 1.6.3.23** (Deleted)
- 1.6.3.24** Tank-wagons intended for the carriage of gases of UN Nos. 1052, 1790 and 2073, constructed before 1 January 2003 in accordance with the requirements in force until 31 December 2002 and which do not comply with the requirements of 6.8.5.1.1 (b) in force from 1 January 2003, may still be used.
- 1.6.3.25** (Deleted)
- 1.6.3.26** Tank-wagons constructed before 1 January 2007 in accordance with the requirements in force up to 31 December 2006 but which do not, however, conform to the requirements applicable as from 1 January 2007 regarding the marking of the external design pressure in accordance with 6.8.2.5.1, may still be used.

- 1.6.3.27** (a) For tank-wagons and battery-wagons
- for gases of Class 2 with classification codes containing the letter(s) T, TF, TC, TO, TFC or TOC, and
 - for substances of classes 3 to 8 carried in the liquid state and to which tank code L15CH, L15DH or L21DH is assigned in column (12) of Table A of Chapter 3.2,
- constructed before 1 January 2005 the devices defined in special provision TE 22 of 6.8.4 need to be capable of absorbing at least 500 kJ of energy at each end of the wagon.
- (b) Tank-wagons and battery-wagons
- for gases of Class 2 with classification codes containing only the letter F, and
 - for substances of classes 3 to 8 carried in the liquid state and to which tank code L10BH, L10CH or L10DH is assigned in column (12) of Table A of Chapter 3.2,
- constructed before 1 January 2007 and which do not conform to the applicable requirements of special provision TE 22 of 6.8.4 in force from 1 January 2007, may still be used.
- 1.6.3.28** Tank-wagons constructed before 1 January 2005 in accordance with the requirements applicable up to 31 December 2004 and which do not conform to the requirements of the second paragraph of 6.8.2.2.1, shall be refitted at the latest at the time of the next refurbishment or the next repair, where this is practicable and where the work carried out requires the attachments to be dismantled.
- 1.6.3.29** Tank-wagons constructed before 1 January 2005 and which do not conform to the requirements of 6.8.2.2.4 in force from 1 January 2005, may still be used.
- 1.6.3.30** (Reserved)
- 1.6.3.31** Tank-wagons and tanks forming elements of battery-wagons designed and constructed in accordance with a technical code which was recognized at the time of their construction according to the provisions of 6.8.2.7 which were applicable at that time may still be used.
- 1.6.3.32** Tank-wagons
- for gases of Class 2 with classification codes containing the letter(s) T, TF, TC, TO, TFC or TOC, and
 - for liquids of classes 3 to 8 to which tank code L15CH, L15DH or L21DH is assigned in column (12) of Table A of Chapter 3.2,
- constructed before 1 January 2007 and which do not conform to the applicable requirements of special provision TE 25 of 6.8.4 (b) in force from 1 January 2007 may still be used.
- Tank-wagons for the carriage of gases UN 1017 chlorine, UN 1749 chlorine trifluoride, UN 2189 dichlorosilane, UN 2901 bromine chloride and UN 3057 trifluoroacetyl chloride, whose wall thickness of the ends does not meet the requirements of special provision TE 25 (b), shall however be fitted with devices in accordance with special provision TE 25 (a), (c) or (d) by no later than 31 December 2014.
- 1.6.3.33** Tank-wagons and battery-wagons for gases of Class 2 constructed before 1 January 1986 in accordance with the requirements applicable up to 31 December 1985 and which do not conform to the requirements of 6.8.3.1.6 concerning the buffers, may still be used.
- 1.6.3.34** (Reserved)
- 1.6.3.35** (Deleted)
- 1.6.3.36** Tank-wagons constructed before 1 January 2011 in accordance with the requirements in force up to 31 December 2010, but which do not conform to the requirements of 6.8.2.1.29 applicable as from 1 January 2011, may still be used.
- 1.6.3.37** (Deleted)
- 1.6.3.38** Tank-wagons and battery-wagons designed and constructed in accordance with standards applicable at the time of their construction (see 6.8.2.6 and 6.8.3.6) according to the provisions of RID which were applicable at that time may still be used unless restricted by a specific transitional measure.
- 1.6.3.39** Tank-wagons constructed before 1 July 2011 in accordance with the requirements of 6.8.2.2.3 in force up to 31 December 2010 but which do not, however, conform to the requirements of 6.8.2.2.3, third paragraph, concerning the position of the flame trap or flame arrester may still be used.
- 1.6.3.40** For toxic by inhalation substances of UN Nos. 1092, 1238, 1239, 1244, 1251, 1510, 1580, 1810, 1834, 1838, 2474, 2486, 2668, 3381, 3383, 3385, 3387 and 3389, the tank code specified in column (12) of Table A of Chapter 3.2 applicable up to 31 December 2010 may continue to be applied until 31 December 2016 for tank-wagons constructed before 1 July 2011.

- 1.6.3.41** Tank-wagons constructed before 1 July 2013 in accordance with the requirements in force up to 31 December 2012, but which do not, however, meet the marking provisions of 6.8.2.5.2 or 6.8.3.5.6 applicable as from 1 January 2013, may continue to be marked in accordance with the requirements applicable up to 31 December 2012 until the next periodic inspection after 1 July 2013.
- 1.6.3.42** For UN No. 2381, the tank code specified in column (12) of Table A of Chapter 3.2 applicable up to 31 December 2012 may continue to be applied until 31 December 2018 for tank-wagons constructed before 1 July 2013.
- 1.6.3.43** Tank-wagons constructed before 1 January 2012 in accordance with the requirements in force up to 31 December 2012, but which do not however conform to the requirements of 6.8.2.6 relating to standards EN 14432:2006 and EN 14433:2006 applicable as from 1 January 2011, may still be used.
- 1.6.4 Tank-containers, portable tanks and MEGCs**
- 1.6.4.1** Tank-containers constructed before 1 January 1988 in accordance with the requirements in force up to 31 December 1987 but which do not, however, conform to the requirements applicable as from 1 January 1988, may still be used.
- 1.6.4.2** Tank-containers constructed before 1 January 1993 in accordance with the requirements in force up to 31 December 1992 but which do not, however, conform to the requirements applicable as from 1 January 1993, may still be used.
- 1.6.4.3** Tank-containers constructed before 1 January 1995 in accordance with the requirements in force up to 31 December 1994 but which do not, however, conform to the requirements applicable as from 1 January 1995, may still be used.
- 1.6.4.4** Tank-containers intended for the carriage of flammable liquids with a flash-point from 55 °C to 60 °C constructed before 1 January 1997 in accordance with the requirements of Appendix X, paragraphs 1.2.7, 1.3.8 and 3.3.3 applicable up to 31 December 1996 which do not conform to the requirements of those paragraphs in force from 1 January 1997 may continue to be used.
- 1.6.4.5** When, because of amendments to RID, some proper shipping names of gases have been modified, it is not necessary to modify the names on the plate or on the shell itself (see 6.8.3.5.2 or 6.8.3.5.3), provided that the names of the gases on the tank-containers and MEGCs or on the plates (see 6.8.3.5.6 (b) or (c)) are adapted at the first periodic test thereafter.
- 1.6.4.6** Tank-containers constructed before 1 January 2007 in accordance with the requirements in force up to 31 December 2006 but which do not, however, conform to the requirements applicable as from 1 January 2007 regarding the marking of the external design pressure in accordance with 6.8.2.5.1, may still be used.
- 1.6.4.7** Tank-containers constructed before 1 January 1997 in accordance with the requirements in force up to 31 December 1996 but which do not, however, conform to the requirements of Appendix X, 3.3.3 and 3.3.4 applicable as from 1 January 1997, may still be used.
- 1.6.4.8** Tank-containers constructed before 1 January 1999 in accordance with the requirements of Appendix X, 5.3.6.3 and which do not conform to the requirements of Appendix X, 5.3.6.3 in force from 1 January 1999, may still be used.
- 1.6.4.9** Tank-containers and MEGCs designed and constructed in accordance with a technical code which was recognized at the time of their construction according to the provisions of 6.8.2.7 which were applicable at that time may still be used.
- 1.6.4.10** (Deleted)
- 1.6.4.11** (Reserved)
- 1.6.4.12** Tank-containers and MEGCs constructed before 1 January 2003 in accordance with the requirements applicable up to 30 June 2001, but which do not, however, conform to the requirements applicable as from 1 July 2001, may still be used.
- However, they shall be marked with the relevant tank code and if applicable the relevant alphanumeric codes of special provisions TC and TE in accordance with 6.8.4.
- 1.6.4.13** Tank-containers constructed before 1 July 2003 in accordance with the requirements in force up to 31 December 2002 but which do not, however, conform to the requirements of 6.8.2.1.7 applicable as from 1 January 2003 and special provision TE15 of 6.8.4 (b) applicable from 1 January 2003 to 31 December 2006 may still be used.
- 1.6.4.14** Tank-containers intended for the carriage of gases of UN Nos. 1052, 1790 and 2073, constructed before 1 January 2003 in accordance with the requirements in force until 31 December 2002 and which do not comply with the requirements of 6.8.5.1.1 (b) in force from 1 January 2003, may still be used.

- 1.6.4.15** The type of the test ("P" or "L") required by 6.8.2.5.1 need not be added to the tank plate until the first test after 1 January 2007 is performed.
- 1.6.4.16** (Deleted)
- 1.6.4.17** (Deleted)
- 1.6.4.18** For tank-containers and MEGCs constructed before 1 January 2007 which do not conform to the requirements of 4.3.2, 6.8.2.3, 6.8.2.4 and 6.8.3.4 concerning the tank record, the retention of files for the tank record shall start at the latest at the next periodic inspection.
- 1.6.4.19** Tank-containers intended for the carriage of substances of Class 3, packing group I having a vapour pressure of not more than 175 kPa (1.75 bar) (absolute) at 50 °C, constructed before 1 July 2007 in accordance with the requirements applicable up to 31 December 2006, to which tank code L1.5BN had been assigned in accordance with the requirements applicable up to 31 December 2006, may continue to be used for the carriage of the substances mentioned above until 31 December 2016.
- 1.6.4.20** Vacuum-operated waste tank-containers constructed before 1 July 2005 in accordance with the requirements applicable up to 31 December 2004 but which do not conform to the requirements of 6.10.3.9 applicable as from 1 January 2005, may still be used.
- 1.6.4.21 to 1.6.4.29** (Reserved)
- 1.6.4.30** Portable tanks and UN MEGCs which do not meet the design requirements applicable as from 1 January 2007 but which have been constructed according to a design approval certificate which has been issued before 1 January 2008 may continue to be used.
- 1.6.4.31** For substances where TP 35 is assigned in column (11) of Table A of Chapter 3.2, portable tank instruction T 14 prescribed in RID applicable up to 31 December 2008 may continue to be applied until 31 December 2014.
- 1.6.4.32** When the shell of a tank-container was already divided by partitions or surge plates into sections of not more than 7 500 litres capacity before 1 January 2009, the capacity of the shell need not be supplemented with the symbol "S" in the particulars required by 6.8.2.5.1 until the next periodic inspection according to 6.8.2.4.2 is performed.
- 1.6.4.33** Notwithstanding the provisions of 4.3.2.2.4, tank-containers intended for the carriage of liquefied gases or refrigerated liquefied gases, which meet the applicable construction requirements of RID but which were divided, before 1 July 2009, by partitions or surge plates into sections of more than 7 500 litres capacity may still be filled to more than 20% and less than 80% of their capacity.
- 1.6.4.34** (Deleted)
- 1.6.4.35** (Deleted)
- 1.6.4.36** For substances where TP 37 is assigned in column (11) of Table A of Chapter 3.2, the portable tank instruction prescribed in RID applicable up to 31 December 2010 may continue to be applied until 31 December 2016.
- 1.6.4.37** Portable tanks and MEGCs manufactured before 1 January 2012, that conform to the marking requirements of 6.7.2.20.1, 6.7.3.16.1, 6.7.4.15.1 or 6.7.5.13.1 applicable up to 31 December 2010, as relevant, may continue to be used if they comply with all other relevant requirements of RID applicable as from 1 January 2011 including, when applicable, the requirement of 6.7.2.20.1 (g) for marking the symbol "S" on the plate when the shell or the compartment is divided by surge plates into sections of not more than 7 500 litres capacity. When the shell, or the compartment, was already divided by surge plates into sections of not more than 7 500 litres capacity before 1 January 2012, the capacity of the shell, or respectively of the compartment, need not be supplemented with the symbol "S" until the next periodic inspection or test according to 6.7.2.19.5 is performed.
- 1.6.4.38** Portable tanks manufactured before 1 January 2014 need not be marked with the portable tank instruction as required in 6.7.2.20.2, 6.7.3.16.2 and 6.7.4.15.2 until the next periodic inspection and test.
- 1.6.4.39** Tank-containers and MEGCs designed and constructed in accordance with standards applicable at the time of their construction (see 6.8.2.6 and 6.8.3.6) according to the provisions of RID which were applicable at that time may still be used unless restricted by a specific transitional measure.
- 1.6.4.40** Tank-containers constructed before 1 July 2011 in accordance with the requirements of 6.8.2.2.3 in force up to 31 December 2010 but which do not, however, conform to the requirements of 6.8.2.2.3, third paragraph, concerning the position of the flame trap or flame arrester may still be used.

- 1.6.4.41** For toxic by inhalation substances of UN Nos. 1092, 1238, 1239, 1244, 1251, 1510, 1580, 1810, 1834, 1838, 2474, 2486, 2668, 3381, 3383, 3385, 3387 and 3389, the tank code specified in column (12) of Table A of Chapter 3.2 applicable up to 31 December 2010 may continue to be applied until 31 December 2016 for tank-containers constructed before 1 July 2011.
- 1.6.4.42** Tank-containers constructed before 1 July 2013 in accordance with the requirements in force up to 31 December 2012, but which do not, however, meet the marking provisions of 6.8.2.5.2 or 6.8.3.5.6 applicable as from 1 January 2013, may continue to be marked in accordance with the requirements applicable up to 31 December 2012 until the next periodic inspection after 1 July 2013.
- 1.6.4.43** Portable tanks and MECGs manufactured before 1 January 2014 need not comply with the requirements of 6.7.2.13.1 (f), 6.7.3.9.1 (e), 6.7.4.8.1 (e) and 6.7.5.6.1 (d) concerning the marking of the pressure relief devices.
- 1.6.4.44** For substances where TP 38 or TP 39 is assigned in column (11) of Table A of Chapter 3.2, the portable tank instruction prescribed in RID applicable up to 31 December 2012 may continue to be applied until 31 December 2018.
- 1.6.4.45** For UN No. 2381, the tank code specified in column (12) of Table A of Chapter 3.2 applicable up to 31 December 2012 may continue to be applied until 31 December 2018 for tank-containers constructed before 1 July 2013.
- 1.6.4.46** Tank-containers constructed before 1 January 2012 in accordance with the requirements in force up to 31 December 2012, but which do not however conform to the requirements of 6.8.2.6 relating to standards EN 14432:2006 and EN 14433:2006 applicable as from 1 January 2011, may still be used.
- 1.6.5** (Reserved)
- 1.6.6** **Class 7**
- 1.6.6.1** **Packages not requiring competent authority approval of design under the 1985 and 1985 (as amended 1990) editions of IAEA Safety Series No. 6**
- Excepted packages, Industrial packages Type IP-1, Type IP-2 and Type IP-3 and Type A packages that did not require approval of design by the competent authority and which meet the requirements of the 1985 or 1985 (as amended 1990) Editions of IAEA Regulations for the Safe Transport of Radioactive Material (IAEA Safety Series No. 6) may continue to be used subject to the mandatory programme of quality assurance in accordance with the requirements of 1.7.3 and the activity limits and material restrictions of 2.2.7.2.2, 2.2.7.2.4.1, 2.2.7.2.4.4, 2.2.7.2.4.5, 2.2.7.2.4.6, special provision 336 of Chapter 3.3 and 4.1.9.3.
- Any packaging modified, unless to improve safety, or manufactured after 31 December 2003, shall meet the requirements of RID. Packages prepared for carriage not later than 31 December 2003 under the 1985 or 1985 (as amended 1990) Editions of IAEA Safety Series No. 6 may continue in transport. Packages prepared for carriage after this date shall meet the requirements of RID.
- 1.6.6.2** **Packages approved under the 1973, 1973 (as amended), 1985 and 1985 (as amended 1990) editions of IAEA Safety Series No. 6**
- 1.6.6.2.1** Packagings manufactured to a package design approved by the competent authority under the provisions of the 1973 or 1973 (as amended) Editions of IAEA Safety Series No. 6 may continue to be used, subject to: multilateral approval of package design, the mandatory programme of quality assurance in accordance with the applicable requirements of 1.7.3 and the activity limits and material restrictions of 2.2.7.2.2, 2.2.7.2.4.1, 2.2.7.2.4.4, 2.2.7.2.4.5, 2.2.7.2.4.6, special provision 337 of Chapter 3.3 and 4.1.9.3. No new manufacture of such packaging shall be permitted to commence. Changes in the design of the packaging or in the nature or quantity of the authorized radioactive contents which, as determined by the competent authority, would significantly affect safety shall require that the requirements of RID be met. A serial number according to the provision of 5.2.1.7.5 shall be assigned to and marked on the outside of each packaging.
- 1.6.6.2.2** Packagings manufactured to a package design approved by the competent authority under the provisions of the 1985 or 1985 (as amended 1990) Editions of IAEA Safety Series No. 6 may continue to be used, subject to: the multilateral approval of package design; the mandatory programme of quality assurance in accordance with the requirements of 1.7.3 and the activity limits and material restrictions of 2.2.7.2.2, 2.2.7.2.4.1, 2.2.7.2.4.4, 2.2.7.2.4.5, 2.2.7.2.4.6, special provision 337 of Chapter 3.3 and 4.1.9.3. Changes in the design of the packaging or in the nature or quantity of the authorized radioactive contents which, as determined by the competent authority, would significantly affect safety shall require that the requirements of RID be met. All packagings for which manufacture begins after 31 December 2006 shall meet the requirements of RID.

1.6.6.3 Special form radioactive material approved under the 1973, 1973 (as amended), 1985 and 1985 (as amended 1990) Editions of IAEA Safety Series No. 6

Special form radioactive material manufactured to a design which had received unilateral approval by the competent authority under the 1973, 1973 (as amended), 1985 or 1985 (as amended 1990) Editions of IAEA Safety Series No. 6 may continue to be used when in compliance with the mandatory programme of quality assurance in accordance with the applicable requirements of 1.7.3. All special form radioactive material manufactured after 31 December 2003 shall meet the requirements of RID.

Chapter 1.7 General provisions concerning Class 7

1.7.1 Scope and application

NOTE 1: In the event of accidents or incidents during the carriage of radioactive material, emergency provisions, as established by relevant national and/or international organizations, shall be observed to protect persons, property and the environment. Appropriate guidelines for such provisions are contained in "Planning and Preparing for Emergency Response to Transport Accidents Involving Radioactive Material", Safety Standard Series No. TS-G-1.2 (ST-3), IAEA, Vienna (2002).

2: Emergency procedures shall take into account the formation of other dangerous substances that may result from the reaction between the contents of a consignment and the environment in the event of an accident.

1.7.1.1 RID establishes standards of safety which provide an acceptable level of control of the radiation, criticality and thermal hazards to persons, property and the environment that are associated with the carriage of radioactive material. These standards are based on the IAEA Regulations for the Safe Transport of Radioactive Material, 2009 edition, Safety Standards Series No. TS-R-1, IAEA, Vienna (2009). Explanatory material can be found in "Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Material (2005 Edition)", Safety Standard Series No. TS-G-1.1 (Rev.1), IAEA, Vienna (2008).

1.7.1.2 The objective of RID is to establish requirements that shall be satisfied to ensure safety and to protect persons, property and the environment from the effects of radiation in the carriage of radioactive material. This protection is achieved by requiring:

- (a) Containment of the radioactive contents;
- (b) Control of external radiation levels;
- (c) Prevention of criticality; and
- (d) Prevention of damage caused by heat.

These requirements are satisfied firstly by applying a graded approach to contents limits for packages and wagons and to performance standards applied to package designs depending upon the hazard of the radioactive contents. Secondly, they are satisfied by imposing requirements on the design and operation of packages and on the maintenance of packagings, including a consideration of the nature of the radioactive contents. Finally, they are satisfied by requiring administrative controls including, where appropriate, approval by competent authorities.

1.7.1.3 RID applies to the carriage of radioactive material by rail including carriage which is incidental to the use of the radioactive material. Carriage comprises all operations and conditions associated with and involved in the movement of radioactive material; these include the design, manufacture, maintenance and repair of packaging, and the preparation, consigning, loading, carriage including in-transit storage, unloading and receipt at the final destination of loads of radioactive material and packages. A graded approach is applied to the performance standards in RID that are characterized by three general severity levels:

- (a) Routine conditions of carriage (incident free);
- (b) Normal conditions of carriage (minor mishaps);
- (c) Accident conditions of carriage.

1.7.1.4 The provisions laid down in RID do not apply to the carriage of:

- (a) Radioactive material that is an integral part of the means of transport;
- (b) Radioactive material moved within an establishment which is subject to appropriate safety regulations in force in the establishment and where the movement does not involve public roads or railways;
- (c) Radioactive material implanted or incorporated into a person or live animal for diagnosis or treatment;
- (d) Radioactive material in consumer products which have received regulatory approval, following their sale to the end user;
- (e) Natural material and ores containing naturally occurring radionuclides which are either in their natural state, or have only been processed for purposes other than for extraction of the radionuclides, and which are not intended to be processed for use of these radionuclides provided the activity concentration of the material does not exceed 10 times the values specified in 2.2.7.2.2.1 (b), or calculated in accordance with 2.2.7.2.2.2 to 2.2.7.2.2.6;
- (f) Non-radioactive solid objects with radioactive substances present on any surfaces in quantities not in excess of the limit set out in the definition for "contamination" in 2.2.7.1.2.

1.7.1.5 Specific provisions for the carriage of excepted packages

1.7.1.5.1 Excepted packages which may contain radioactive material in limited quantities, instruments, manufactured articles and empty packagings as specified in 2.2.7.2.4.1 shall be subject only to the following provisions of Parts 5 to 7.

- (a) The applicable provisions specified in 5.1.2, 5.1.3.2, 5.1.4, 5.1.5.4, 5.2.1.9 and 7.5.11 CW 33 (5.2);
- (b) The requirements for excepted packages specified in 6.4.4; and
- (c) If the excepted package contains fissile material, one of the fissile exceptions provided by 2.2.7.2.3.5 shall apply and the requirement of 6.4.7.2 shall be met.

1.7.1.5.2 Excepted packages are subject to the relevant provisions of all other parts of RID.

1.7.2 Radiation protection programme

1.7.2.1 The carriage of radioactive material shall be subject to a radiation protection programme which shall consist of systematic arrangements aimed at providing adequate consideration of radiation protection measures.

1.7.2.2 Doses to persons shall be below the relevant dose limits. Protection and safety shall be optimized in order that the magnitude of individual doses, the number of persons exposed, and the likelihood of incurring exposure shall be kept as low as reasonably achievable, economic and social factors being taken into account within the restriction that the doses to individuals be subject to dose constraints. A structured and systematic approach shall be adopted and shall include consideration of the interfaces between carriage and other activities.

1.7.2.3 The nature and extent of the measures to be employed in the programme shall be related to the magnitude and likelihood of radiation exposures. The programme shall incorporate the requirements in 1.7.2.2, 1.7.2.4, 1.7.2.5 and 7.5.11 CW 33 (1.1). Programme documents shall be available, on request, for inspection by the relevant competent authority.

1.7.2.4 For occupational exposures arising from transport activities, where it is assessed that the effective dose:

- (a) is likely to be between 1 mSv and 6 mSv in a year, a dose assessment programme via work place monitoring or individual monitoring shall be conducted;
- (b) is likely to exceed 6 mSv in a year, individual monitoring shall be conducted.

When individual monitoring or work place monitoring is conducted, appropriate records shall be kept.

NOTE: For occupational exposures arising from transport activities, where it is assessed that the effective dose is most unlikely to exceed 1 mSv in a year, no special work patterns, detailed monitoring, dose assessment programmes or individual record keeping need be required.

1.7.2.5 Workers (see 7.5.11, CW 33 Note 3) shall be appropriately trained in radiation protection including the precautions to be observed in order to restrict their occupational exposure and the exposure of other persons who might be affected by their actions.

1.7.3 Quality assurance

Quality assurance programmes based on international, national or other standards acceptable to the competent authority shall be established and implemented for the design, manufacture, testing, documentation, use, maintenance and inspection of all special form radioactive material, low dispersible radioactive material and packages and for carriage and in-transit storage operations to ensure compliance with the relevant provisions of RID. Certification that the design specification has been fully implemented shall be available to the competent authority. The manufacturer, consignor or user shall be prepared to provide facilities for competent authority inspection during manufacture and use and to demonstrate to any cognizant competent authority that:

- (a) the manufacturing methods and materials used are in accordance with the approved design specifications; and
- (b) all packagings are periodically inspected and, as necessary, repaired and maintained in good condition so that they continue to comply with all relevant requirements and specifications, even after repeated use.

Where competent authority approval is required, such approval shall take into account and be contingent upon the adequacy of the quality assurance programme.

1.7.4 Special arrangement

1.7.4.1 Special arrangement shall mean those provisions, approved by the competent authority, under which consignments which do not satisfy all the requirements of RID applicable to radioactive material may be carried.

NOTE: Special arrangement is not considered to be a temporary derogation in accordance with 1.5.1.

- 1.7.4.2** Consignments for which conformity with any provision applicable to Class 7 is impracticable shall not be carried except under special arrangement. Provided the competent authority is satisfied that conformity with the Class 7 provisions of RID is impracticable and that the requisite standards of safety established by RID have been demonstrated through alternative means the competent authority may approve special arrangement transport operations for single or a planned series of multiple consignments. The overall level of safety in carriage shall be at least equivalent to that which would be provided if all the applicable requirements had been met. For international consignments of this type, multilateral approval shall be required.

1.7.5 Radioactive material possessing other dangerous properties

In addition to the radioactive and fissile properties, any subsidiary risk of the contents of the package, such as explosiveness, flammability, pyrophoricity, chemical toxicity and corrosiveness, shall also be taken into account in the documentation, packing, labelling, marking, placarding, stowage, segregation and carriage, in order to be in compliance with all relevant provisions for dangerous goods of RID.

1.7.6 Non-compliance

- 1.7.6.1** In the event of a non-compliance with any limit in RID applicable to radiation level or contamination,
- (a) The consignor shall be informed of the non-compliance
 - (i) by the carrier if the non-compliance is identified during carriage; or
 - (ii) by the consignee if the non-compliance is identified at receipt;
 - (b) The carrier, consignor or consignee, as appropriate shall:
 - (i) take immediate steps to mitigate the consequences of the non-compliance;
 - (ii) investigate the non-compliance and its causes, circumstances and consequences;
 - (iii) take appropriate action to remedy the causes and circumstances that led to the non-compliance and to prevent a recurrence of similar circumstances that led to the non-compliance; and
 - (iv) communicate to the competent authority(ies) on the causes of the non-compliance and on corrective or preventive actions taken or to be taken; and
 - (c) The communication of the non-compliance to the consignor and competent authority(ies), respectively, shall be made as soon as practicable and it shall be immediate whenever an emergency exposure situation has developed or is developing.

Chapter 1.8 Checks and other support measures to ensure compliance with safety requirements

1.8.1 Administrative controls of dangerous goods

1.8.1.1 The competent authorities of the RID Contracting States may, on their national territory, at any time, conduct spot checks to verify whether the requirements concerning the carriage of dangerous goods have been met including, in accordance with 1.10.1.5, those concerning security measures.

These checks shall, however, be made without endangering persons, property or the environment and without major disruption of rail services.

1.8.1.2 Participants in the carriage of dangerous goods (Chapter 1.4) shall, without delay, in the context of their respective obligations, provide the competent authorities and their agents with the necessary information for carrying out the checks.

1.8.1.3 The competent authorities may also, for the purposes of carrying out checks on the premises of the enterprises participating in the carriage of dangerous goods (Chapter 1.4), make inspections, consult the necessary documents and remove samples of dangerous goods or packagings for examination, provided that safety is not jeopardized thereby. The participants in the carriage of dangerous goods (Chapter 1.4) shall also make the wagons or parts of wagons and the equipment and installations accessible for the purpose of checking where this is possible and reasonable. They may, if they deem necessary, designate a person from the enterprise to accompany the representative of the competent authority.

1.8.1.4 If the competent authorities observe that the requirements of RID have not been met, they may prohibit a consignment or interrupt a transport operation until the defects observed are rectified, or they may prescribe other appropriate measures. Immobilization may take place on the spot or at another place selected by the authorities for safety reasons. These measures shall not cause a major disruption in rail services.

1.8.2 Mutual administrative support

1.8.2.1 The RID Contracting States shall agree on mutual administrative support for the implementation of RID.

1.8.2.2 When an RID Contracting State has reasons to observe that the safety of the carriage of dangerous goods on its territory is compromised as a result of very serious or repeated infringements by an enterprise which has its headquarters on the territory of another RID Contracting State, it shall notify the competent authorities of this RID Contracting State of such infringements. The competent authorities of the RID Contracting State on the territory of which the very serious or repeated infringements were observed may request the competent authorities of the RID Contracting State on the territory of which the enterprise has its headquarters to take appropriate measures against the offender(s). The transmission of data referring to persons shall not be permitted unless it is necessary for the prosecution of very serious or repeated infringements.

1.8.2.3 The authorities notified shall communicate to the competent authorities of the RID Contracting State on the territory of which the infringements were observed, the measures which have, if necessary, been taken with respect to the enterprise.

1.8.3 Safety adviser

1.8.3.1 Each undertaking, the activities of which include the carriage, or the related packing, loading, filling or unloading of dangerous goods by rail shall appoint one or more safety advisers for the carriage of dangerous goods, responsible for helping to prevent the risks inherent in such activities with regard to persons, property and the environment.

1.8.3.2 The competent authorities of the RID Contracting States may provide that these requirements shall not apply to undertakings:

- (a) the activities of which include the carriage of dangerous goods in means of transport belonging to the armed forces or for which the armed forces are responsible, or
- (b) the activities of which concern quantities in each wagon smaller than those referred to in 1.1.3.6, 1.7.1.4 and in Chapters 3.3, 3.4 and 3.5, or
- (c) the main or secondary activities of which are not the carriage or the related loading or unloading of dangerous goods but which occasionally engage in the national carriage or the related loading or unloading of dangerous goods posing little danger or risk of pollution.

- 1.8.3.3** The main task of the adviser shall be, under the responsibility of the head of the undertaking, to seek by all appropriate means and by all appropriate action, within the limits of the relevant activities of that undertaking, to facilitate the conduct of those activities in accordance with the requirements applicable and in the safest possible way.

With regard to the undertaking's activities, the adviser has the following duties in particular:

- monitoring compliance with the requirements governing the carriage of dangerous goods;
- advising his undertaking on the carriage of dangerous goods;
- preparing an annual report to the management of his undertaking or a local public authority, as appropriate, on the undertaking's activities in the carriage of dangerous goods. Such annual reports shall be preserved for five years and made available to the national authorities at their request.

The adviser's duties also include monitoring the following practices and procedures relating to the relevant activities of the undertaking:

- the procedures for compliance with the requirements governing the identification of dangerous goods being transported;
- the undertaking's practice in taking account, when purchasing means of transport, of any special requirements in connection with the dangerous goods being transported;
- the procedures for checking the equipment used in connection with the carriage, loading or unloading of dangerous goods;
- the proper training of the undertaking's employees, including on the changes to the regulations, and the maintenance of records of such training;
- the implementation of proper emergency procedures in the event of any accident or incident that may affect safety during the carriage, loading or unloading of dangerous goods;
- investigating and, where appropriate, preparing reports on serious accidents, incidents or serious infringements recorded during the carriage, loading or unloading of dangerous goods;
- the implementation of appropriate measures to avoid the recurrence of accidents, incidents or serious infringements;
- the account taken of the legal prescriptions and special requirements associated with the carriage of dangerous goods in the choice and use of sub-contractors or third parties;
- verification that employees involved in the carriage, loading or unloading of dangerous goods have detailed operational procedures and instructions;
- the introduction of measures to increase awareness of the risks inherent in the carriage, loading and unloading of dangerous goods;
- the implementation of verification procedures to ensure the presence on board means of transport of the documents and safety equipment which must accompany transport and the compliance of such documents and equipment with the regulations;
- the implementation of verification procedures to ensure compliance with the requirements governing loading and unloading;
- the existence of the security plan indicated in 1.10.3.2.

- 1.8.3.4** The adviser may also be the head of the undertaking, a person with other duties in the undertaking, or a person not directly employed by that undertaking, provided that that person is capable of performing the duties of adviser.

- 1.8.3.5** Each undertaking concerned shall, on request, inform the competent authority or the body designated for that purpose by each RID Contracting State of the identity of its adviser.

- 1.8.3.6** Whenever an accident affects persons, property or the environment or results in damage to property or the environment during carriage, loading or unloading carried out by the undertaking concerned, the adviser shall, after collecting all the relevant information, prepare an accident report to the management of the undertaking or to a local public authority, as appropriate. That report shall not replace any report by the management of the undertaking which might be required under any other international or national legislation.

- 1.8.3.7** An adviser shall hold a vocational training certificate, valid for transport by rail. That certificate shall be issued by the competent authority or the body designated for that purpose by each RID Contracting State.

- 1.8.3.8** To obtain a certificate, a candidate shall undergo training and pass an examination approved by the competent authority of the RID Contracting State.

- 1.8.3.9** The main aims of the training shall be to provide candidates with sufficient knowledge of the risks inherent in the carriage of dangerous goods, of the laws, regulations and administrative provisions applicable to the modes of transport concerned and of the duties listed in 1.8.3.3.

- 1.8.3.10** The examination shall be organized by the competent authority or by an examining body designated by the competent authority. The examining body shall not be a training provider.

The examining body shall be designated in writing. This approval may be of limited duration and shall be based on the following criteria:

- competence of the examining body;
- specifications of the form of the examinations the examining body is proposing;
- measures intended to ensure that examinations are impartial;
- independence of the body from all natural or legal persons employing safety advisers.

- 1.8.3.11** The aim of the examination is to ascertain whether candidates possess the necessary level of knowledge to carry out the duties incumbent upon a safety adviser as listed in 1.8.3.3, for the purpose of obtaining the certificate prescribed in sub-section 1.8.3.7, and it shall cover at least the following subjects:

- (a) Knowledge of the types of consequences which may be caused by an accident involving dangerous goods and knowledge of the main causes of accidents;
- (b) Requirements under national law, international conventions and agreements, with regard to the following in particular:
 - classification of dangerous goods (procedure for classifying solutions and mixtures, structure of the list of substances, classes of dangerous goods and principles for their classification, nature of dangerous goods transported, physical, chemical and toxicological properties of dangerous goods);
 - general packing provisions, provisions for tanks and tank-containers (types, code, marking, construction, initial and periodic inspection and testing);
 - marking and labelling, placarding and orange plates marking (marking and labelling of packages, placing and removal of placards and orange plates);
 - particulars in the transport document (information required);
 - method of consignment and restrictions on forwarding (wagon load, full load, carriage in bulk, carriage in intermediate bulk containers, carriage in containers, carriage in fixed or demountable tanks);
 - transport of passengers;
 - prohibitions and precautions relating to mixed loading;
 - segregation of goods;
 - limitation of the quantities carried and quantities exemptions;
 - handling and stowage (loading and unloading – filling ratios –, stowage and segregation);
 - cleaning and/or degassing before loading and after unloading;
 - crews, vocational training;
 - documents to be carried on board (transport documents, instructions in writing, copies of any derogations, other documents);
 - instructions in writing (implementation of the instructions and equipment for personal protection);
 - operational discharges or accidental leaks of pollutants;
 - requirements relating to transport equipment.

1.8.3.12 Examinations

- 1.8.3.12.1** The examination shall consist of a written test which may be supplemented by an oral examination.

- 1.8.3.12.2** The use in the written test of documentation other than international or national regulations is not permitted.

- 1.8.3.12.3** Electronic media may be used only if provided by the examining body. There shall be no means of a candidate introducing further data to the electronic media provided; the candidate may only answer the questions posed.

- 1.8.3.12.4** The written test shall consist of two parts:

- (a) Candidates shall receive a questionnaire. It shall include at least 20 open questions covering at least the subjects mentioned in the list in 1.8.3.11. However, multiple choice questions may be used. In this case, two multiple choice questions count as one open question. Amongst these subjects particular attention shall be paid to the following subjects:
 - general preventive and safety measures;
 - classification of dangerous goods;
 - general packing provisions, including tanks, tank-containers, tank-wagons, etc.;
 - danger markings and labels;
 - information in the transport document;
 - handling and stowage;

- crew, vocational training;
- vehicle documents and transport documents;
- instructions in writing;
- requirements concerning transport equipment.

(b) Candidates shall undertake a case study in keeping with the duties of the adviser referred to in 1.8.3.3, in order to demonstrate that they have the necessary qualifications to fulfil the task of adviser.

1.8.3.13 The RID Contracting States may decide that candidates who intend working for undertakings specializing in the carriage of certain types of dangerous goods need only be questioned on the substances relating to their activities. These types of goods are:

- Class 1;
- Class 2;
- Class 7;
- Classes 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2, 8 and 9;
- UN Nos. 1202, 1203, 1223, 3475 and aviation fuel classified under UN Nos. 1268 or 1863.

The certificate prescribed in 1.8.3.7 shall clearly indicate that it is only valid for one type of the dangerous goods referred to in this sub-section and on which the adviser has been questioned under the conditions defined in 1.8.3.12.

Certificates of training as safety advisers issued before 1 January 2009 for UN Nos. 1202, 1203 and 1223 are also valid for UN No. 3475 and aviation fuel classified under UN Nos. 1268 or 1863.

1.8.3.14 The competent authority or the examining body shall keep a running list of the questions that have been included in the examination.

1.8.3.15 The certificate prescribed in 1.8.3.7 shall take the form laid down in 1.8.3.18 and shall be recognized by all RID Contracting States.

1.8.3.16 Validity and renewal of certificates

1.8.3.16.1 The certificate shall be valid for five years. The period of the validity of a certificate shall be extended from the date of its expiry for five years at a time where, during the year before its expiry, its holder has passed an examination. The examination shall be approved by the competent authority.

1.8.3.16.2 The aim of the examination is to ascertain that the holder has the necessary knowledge to carry out the duties set out in 1.8.3.3. The knowledge required is set out in 1.8.3.11 (b) and shall include the amendments to the regulations introduced since the award of the last certificate. The examination shall be held and supervised on the same basis as in 1.8.3.10 and 1.8.3.12 to 1.8.3.14. However, the holder need not undertake the case study specified in 1.8.3.12.4 (b).

1.8.3.17 (Deleted)

1.8.3.18 Form of certificate

Certificate of training as safety adviser for the transport of dangerous goods

Certificate No:

Distinguishing sign of the State issuing the certificate:

Surname:

Forename(s):

Date and place of birth:

Nationality:

Signature of holder:

Valid until for undertakings which transport dangerous goods and for undertakings which carry out related loading or unloading:

- ☐ by road
- ☐ by rail
- ☐ by inland waterway

Issued by:

Date:

Signature:

Extended until:

By:

Date:

Signature:

1.8.4 List of competent authorities and bodies designated by them

The RID Contracting States shall communicate to the Secretariat of OTIF the addresses of the authorities and bodies designated by them which are competent in accordance with national law to implement RID, referring in each case to the relevant requirement of RID and giving the addresses to which the relevant applications should be made.

The Secretariat of OTIF shall establish a list on the basis of the information received and shall keep it up-to-date. It shall communicate this list and the amendments thereto to the RID Contracting States.

1.8.5 Notifications of occurrences involving dangerous goods

1.8.5.1 If a serious accident or incident takes place during loading, filling, carriage or unloading of dangerous goods on the territory of an RID Contracting State, the loader, filler, carrier, consignee or if the case may be the railway infrastructure manager, respectively, shall ascertain that a report conforming to the model prescribed in 1.8.5.4 is made to the competent authority of the RID Contracting State concerned at the latest one month after the occurrence.

1.8.5.2 The RID Contracting State shall in turn, if necessary, make a report to the Secretariat of OTIF with a view to informing the other RID Contracting States.

1.8.5.3 An occurrence subject to report in accordance with 1.8.5.1 has occurred if dangerous goods were released or if there was an imminent risk of loss of product, if personal injury, material or environmental damage occurred, or if the authorities were involved and one or more of the following criteria has/have been met:

Personal injury means an occurrence in which death or injury directly relating to the dangerous goods carried has occurred, and where the injury

- (a) requires intensive medical treatment,
- (b) requires a stay in hospital of at least one day, or
- (c) results in the inability to work for at least three consecutive days.

Loss of product means the release of dangerous goods

- (a) of transport category 0 or 1 in quantities of 50 kg / 50 l or more,
- (b) of transport category 2 in quantities of 333 kg / 333 l or more, or
- (c) of transport category 3 or 4 in quantities of 1 000 kg / 1 000 l or more.

The loss of product criterion also applies if there was an imminent risk of loss of product in the above-mentioned quantities. As a rule, this has to be assumed if, owing to structural damage, the means of containment is no longer suitable for further carriage or if, for any other reason, a sufficient level of safety is no longer ensured (e.g. owing to distortion of tanks or containers, overturning of a tank or fire in the immediate vicinity).

If dangerous goods of Class 6.2 are involved, the obligation to report applies without quantity limitation.

In occurrences involving Class 7 material, the criteria for loss of product are:

- (a) Any release of radioactive material from the packages;
- (b) Exposure leading to a breach of the limits set out in the regulations for protection of workers and members of the public against ionizing radiation (Schedule II of IAEA Safety Series No. 115 – "International Basic Safety Standards for Protection Against Ionizing Radiation and for Safety of Radiation Sources"); or
- (c) Where there is reason to believe that there has been a significant degradation in any package safety function (containment, shielding, thermal protection or criticality) that may have rendered the package unsuitable for continued carriage without additional safety measures.

NOTE: See the requirements of 7.5.11 CW33 (6) for undeliverable consignments.

Material damage or environmental damage means the release of dangerous goods, irrespective of the quantity, where the estimated amount of damage exceeds 50,000 Euros. Damage to any directly involved means of carriage containing dangerous goods and to the modal infrastructure shall not be taken into account for this purpose.

Involvement of authorities means the direct involvement of the authorities or emergency services during the occurrence involving dangerous goods and the evacuation of persons or closure of public traffic routes (roads/railways) for at least three hours owing to the danger posed by the dangerous goods.

If necessary, the competent authority may request further relevant information.

1.8.5.4 Model for report on occurrences during the carriage of dangerous goods

Report on occurrences during the carriage of dangerous goods in accordance with RID/ADR section 1.8.5

Carrier/
Railway infrastructure operator:
Address:
Contact name: Telephone: Fax:

(The competent authority shall remove this cover sheet before forwarding the report)

1. Mode	
☐ Rail Wagon number (optional):	☐ Road Vehicle registration (optional):
2. Date and location of occurrence	
Year: Month: Day: Time:	
☐ Station ☐ Shunting/marshalling yard ☐ Loading/unloading/transshipment site Location / Country: or ☐ Open line Description of line: Kilometres:	☐ Road ☐ Built-up area ☐ Loading/unloading/transshipment site ☐ Open road Location / Country:
3. Topography	
☐ Gradient/incline ☐ Tunnel ☐ Bridge/Underpass ☐ Crossing	
4. Particular weather conditions	
☐ Rain ☐ Snow ☐ Ice ☐ Fog ☐ Thunderstorm ☐ Storm Temperature: ... °C	
5. Description of occurrence	
☐ Derailment/Leaving the road ☐ Collision ☐ Overturning/Rolling over ☐ Fire ☐ Explosion ☐ Loss ☐ Technical fault Additional description of occurrence:	

1.8.6 Administrative controls for application of the conformity assessments, periodic inspections, intermediate inspections and exceptional checks described in 1.8.7**1.8.6.1 Approval of inspection bodies**

The competent authority may approve inspection bodies for conformity assessments, periodic inspections, intermediate inspections, exceptional checks and surveillance of the in-house inspection service as specified in 1.8.7.

1.8.6.2 Operational obligations for the competent authority, its delegate or inspection body

1.8.6.2.1 The competent authority, its delegate or inspection body shall carry out conformity assessments, periodic inspections, intermediate inspections and exceptional checks in a proportionate manner, avoiding unnecessary burdens. The competent authority, its delegate or inspection body shall perform its activities taking into consideration the size, the sector and the structure of the undertakings involved, the relative complexity of the technology and the serial character of production.

1.8.6.2.2 Nevertheless the competent authority, its delegate or inspection body shall respect the degree of rigour and the level of protection required for the compliance of the transportable pressure equipment by the provisions of parts 4 and 6 as applicable.

1.8.6.2.3 Where a competent authority, its delegate or inspection body finds out that requirements laid down in parts 4 or 6 have not been met by the manufacturer, it shall require the manufacturer to take appropriate corrective measures and it shall not issue any type approval certificate or certificate of conformity.

1.8.6.3 Information obligation

RID Contracting States shall publish their national procedures for the assessment, appointment and monitoring of inspection bodies and of any changes to that information.

1.8.6.4 Delegation of inspection tasks

NOTE: In-house inspection services according to 1.8.7.6 are not covered by 1.8.6.4.

1.8.6.4.1 Where an inspection body uses the services of any other entity (e.g. subcontractor, subsidiary), to carry out specific tasks connected with the conformity assessment, periodic inspection, intermediate inspection or exceptional checks, this entity shall be included in the accreditation of the inspection body, or it shall be accredited separately. The inspection body shall ensure that this entity meets the requirements set out for the tasks given to it with the same level of competence and safety as laid down for inspection bodies (see 1.8.6.8) and the inspection body shall monitor it. The inspection body shall inform the competent authority about the above mentioned arrangements.

1.8.6.4.2 The inspection body shall take full responsibility for the tasks performed by such entities wherever the tasks are performed by them.

1.8.6.4.3 The inspection body shall not delegate the whole task of conformity assessment, periodic inspection, intermediate inspection or exceptional checks. In any case, the assessment and the issue of certificates shall be carried out by the inspection body itself.

1.8.6.4.4 Activities shall not be delegated without the agreement of the applicant.

1.8.6.4.5 The inspection body shall keep at the disposal of the competent authority the relevant documents concerning the assessment of the qualifications and the work carried out by the above mentioned entities.

1.8.6.5 Information obligations for inspection bodies

Any inspection body shall inform the competent authority, which had approved it, of the following:

- (a) Except when the provisions of 1.8.7.2.4 apply, any refusal, restriction, suspension or withdrawal of type approval certificates;
- (b) Any circumstance(s) affecting the scope of and conditions for the approval as granted by the competent authority;
- (c) Any request for information on conformity assessment activities performed which they have received from competent authorities monitoring compliance according to 1.8.1 or 1.8.6.6;
- (d) On request, conformity assessment activities performed within the scope of their approval and any other activity performed, including delegation of tasks.

1.8.6.6 The competent authority shall ensure the monitoring of the inspection bodies and shall revoke or restrict the approval given, if it notes that an approved body is no longer in compliance with the approval and the requirements of 1.8.6.8 or does not follow the procedures specified in the provisions of RID.

1.8.6.7 If the approval of the inspection body is revoked or restricted or if the inspection body ceased activity, the competent authority shall take the appropriate steps to ensure that the files are either processed by another inspection body or kept available.

1.8.6.8 The inspection body shall:

- (a) Have a staff with an organisational structure, capable, trained, competent and skilled, to satisfactorily perform its technical functions;
- (b) Have access to suitable and adequate facilities and equipment;
- (c) Operate in an impartial manner and be free from any influence which could prevent it from doing so;
- (d) Ensure commercial confidentiality of the commercial and proprietary activities of the manufacturer and other bodies;
- (e) Maintain clear demarcation between actual inspection body functions and unrelated functions;
- (f) Have a documented quality system;
- (g) Ensure that the tests and inspections specified in the relevant standard and in RID are performed; and
- (h) Maintain an effective and appropriate report and record system in accordance with 1.8.7 and 1.8.8.

The inspection body shall additionally be accredited according to the standard EN ISO/IEC 17020:2004, as specified in 6.2.2.10 and 6.2.3.6 and TA 4 and TT 9 of 6.8.4.

An inspection body starting a new activity may be approved temporarily. Before temporary designation, the competent authority shall ensure that the inspection body meets the requirements of the standard EN ISO/IEC 17020:2004. The inspection body shall be accredited in its first year of activity to be able to continue this new activity.

1.8.7 Procedures for conformity assessment and periodic inspection

NOTE: In this section, "relevant body" means a body assigned in 6.2.2.10 when certifying UN pressure receptacles, in 6.2.3.6 when approving non-UN pressure receptacles and in special provisions TA4 and TT9 of 6.8.4.

1.8.7.1 General provisions

1.8.7.1.1 The procedures in section 1.8.7 shall be applied according to 6.2.3.6 when approving non-UN pressure receptacles and according to TA4 and TT9 of 6.8.4 when approving tanks, battery-wagons and MEGCs.

The procedures in section 1.8.7 may be applied according to the Table in 6.2.2.10 when certifying UN pressure receptacles.

1.8.7.1.2 Each application for

- (a) The type approval in accordance with 1.8.7.2 or;
 - (b) The supervision of manufacture in accordance with 1.8.7.3 and the initial inspection and test in accordance with 1.8.7.4; or
 - (c) The periodic inspection, intermediate inspection and exceptional checks in accordance with 1.8.7.5
- shall be lodged by the applicant with a single competent authority, its delegate or an approved inspection body of his choice.

1.8.7.1.3 The application shall include:

- (a) The name and address of the applicant;
- (b) For conformity assessment where the applicant is not the manufacturer, the name and address of the manufacturer;
- (c) A written declaration that the same application has not been lodged with any other competent authority, its delegate or inspection body;
- (d) The relevant technical documentation specified in 1.8.7.7;
- (e) A statement allowing the competent authority, its delegate or inspection body access for inspection purposes to the locations of manufacture, inspection, testing and storage and providing it with all necessary information.

1.8.7.1.4 Where the applicant can demonstrate to the satisfaction of the competent authority or its delegated inspection body conformity with 1.8.7.6 the applicant may establish an in-house inspection service which may perform part or all of the inspections and tests when specified in 6.2.2.10 or 6.2.3.6.

1.8.7.1.5 Design type approval certificates and certificates of conformity – including the technical documentation – shall be retained by the manufacturer or by the applicant for the type approval, if he is not the manufacturer, and by the inspection body, who issued the certificate, for a period of at least 20 years starting from the last date of production of products of the same type.

- 1.8.7.1.6** When a manufacturer or owner intends to cease operation, he shall send the documentation to the competent authority. The competent authority shall then retain the documentation for the rest of the period specified in 1.8.7.1.5.

1.8.7.2 Type approval

Type approvals authorise the manufacture of pressure receptacles, tanks, battery-wagons or MEGCs within the period of validity of that approval.

- 1.8.7.2.1** The applicant shall:

- (a) In the case of pressure receptacles, place at the disposal of the relevant body representative samples of the production envisaged. The relevant body may request further samples if required by the test programme;
- (b) In the case of tanks, battery-wagons or MEGCs, give access to the prototype for type testing.

- 1.8.7.2.2** The relevant body shall:

- (a) Examine the technical documentation specified in 1.8.7.7.1 to verify that the design is in accordance with the relevant provisions of RID, and the prototype or the prototype lot has been manufactured in conformity with the technical documentation and is representative of the design;
- (b) Perform the examinations and witness the tests specified in RID, to determine that the provisions have been applied and fulfilled, and the procedures adopted by the manufacturer meet the requirements;
- (c) Check the certificate(s) issued by the materials manufacturer(s) against the relevant provisions of RID;
- (d) As applicable, approve the procedures for the permanent joining of parts or check that they have been previously approved, and verify that the staff undertaking the permanent joining of parts and the non-destructive tests are qualified or approved;
- (e) Agree with the applicant the location and testing facilities where the examinations and necessary tests are to be carried out.

The relevant body shall issue a type-examination report to the applicant.

- 1.8.7.2.3** Where the type satisfies all applicable provisions, the competent authority, its delegate or the inspection body, shall issue a type approval certificate to the applicant.

This certificate shall contain:

- (a) The name and address of the issuer;
- (b) The name and address of the manufacturer and of the applicant when the applicant is not the manufacturer;
- (c) A reference to the version of RID and standards used for the type examination;
- (d) Any requirements resulting from the examination;
- (e) The necessary data for identification of the type and variation, as defined by the relevant standard;
- (f) The reference to the type examination report(s); and
- (g) The maximum period of validity of the type approval.

A list of the relevant parts of the technical documentation shall be annexed to the certificate (see 1.8.7.7.1).

- 1.8.7.2.4** The type approval shall be valid for a maximum of ten years. If within that period the relevant technical requirements of RID (including referenced standards) have changed so that the approved type is no longer in conformity with them, the relevant body which issued the type approval shall withdraw it and inform the holder of the type approval.

NOTE: For the ultimate dates for withdrawal of existing type approvals, see column (5) of the tables in 6.2.4 and 6.8.2.6 or 6.8.3.6 as appropriate.

If a type approval has expired or has been withdrawn, the manufacture of the pressure receptacles, tanks, battery-wagons or MEGCs according to that type approval is no longer authorised.

In such a case, the relevant provisions concerning the use, periodic inspection and intermediate inspection of pressure receptacles, tanks, battery-wagons or MEGCs contained in the type approval which has expired or has been withdrawn shall continue to apply to these pressure receptacles, tanks, battery-wagons or MEGCs constructed before the expiry or the withdrawal if they may continue to be used.

They may continue to be used as long as they remain in conformity with the requirements of RID. If they are no longer in conformity with the requirements of RID they may continue to be used only if such use is permitted by relevant transitional measures in Chapter 1.6.

Type approvals may be renewed by a complete review and assessment for conformity with the provisions of RID applicable at the date of renewal. Renewal is not permitted after a type approval has been withdrawn. Interim amendments of an existing type approval (e.g. for pressure receptacles minor amendments such as the addition of further sizes or volumes not affecting conformity, or for tanks see 6.8.2.3.2) do not extend or modify the original validity of the certificate.

NOTE: The review and assessment of conformity can be done by a body other than the one which issued the original type approval.

The issuing body shall keep all documents for the type approval (see 1.8.7.7.1) for the whole period of validity including its renewals if granted.

- 1.8.7.2.5** In the case of a modification of a pressure receptacle, tank, battery-wagon or MEGC with a valid, expired or withdrawn type approval, the testing, inspection and approval are limited to the parts of the pressure receptacle, tank, battery-wagon or MEGC that have been modified. The modification shall meet the provisions of RID applicable at the time of the modification. For all parts of the pressure receptacle, tank, battery-wagon or MEGC not affected by the modification, the documentation of the initial type approval remains valid.

A modification may apply to one or more pressure receptacles, tanks, battery-wagons or MEGCs covered by a type approval.

A certificate approving the modification shall be issued to the applicant by the competent authority of any RID Contracting State or by a body designated by this authority. For tanks, battery-wagons or MEGCs, a copy shall be kept as part of the tank record.

Each application for an approval certificate for a modification shall be lodged by the applicant with a single competent authority or body designated by this authority.

1.8.7.3 Supervision of manufacture

- 1.8.7.3.1** The manufacturing process shall be subject to a survey by the relevant body to ensure the product is produced in conformity with the provisions of the type approval.

- 1.8.7.3.2** The applicant shall take all the necessary measures to ensure that the manufacturing process complies with the applicable provisions of RID and of the type approval certificate and its annexes.

- 1.8.7.3.3** The relevant body shall:

- (a) Verify the conformity with the technical documentation specified in 1.8.7.7.2;
- (b) Verify that the manufacturing process produces products in conformity with the requirements and the documentation which apply to it;
- (c) Verify the traceability of materials and check the material certificate(s) against the specifications;
- (d) As applicable, verify that the personnel undertaking the permanent joining of parts and the non-destructive tests are qualified or approved;
- (e) Agree with the applicant on the location where the examinations and necessary tests are to be carried out; and
- (f) Record the results of its survey.

1.8.7.4 Initial inspection and tests

- 1.8.7.4.1** The applicant shall:

- (a) Affix the marks specified in RID; and
- (b) Supply to the relevant body the technical documentation specified in 1.8.7.7.

- 1.8.7.4.2** The relevant body shall:

- (a) Perform the necessary examinations and tests in order to verify that the product is manufactured in accordance with the type approval and the relevant provisions;
- (b) Check the certificates supplied by the manufacturers of service equipment against the service equipment;
- (c) Issue an initial inspection and test report to the applicant relating to the detailed tests and verifications carried out and the verified technical documentation;
- (d) Draw up a written certificate of conformity of the manufacture and affix its registered mark when the manufacture satisfies the provisions; and
- (e) Check if the type approval remains valid after provisions of RID (including referenced standards) relevant to the type approval have changed.

The certificate in (d) and report in (c) may cover a number of items of the same type (group certificate or report).

- 1.8.7.4.3** The certificate shall contain as a minimum:
- (a) The name and address of the relevant body;
 - (b) The name and address of the manufacturer and the name and address of the applicant, if not the manufacturer;
 - (c) A reference to the version of the RID and standards used for the initial inspections and tests;
 - (d) The results of the inspections and tests;
 - (e) The data for identification of the inspected product(s), at least the serial number or for non refillable cylinders the batch number; and
 - (f) The type approval number.
- 1.8.7.5 Periodic inspection, intermediate inspection and exceptional checks**
- 1.8.7.5.1** The relevant body shall:
- (a) Perform the identification and verify the conformity with the documentation;
 - (b) Carry out the inspections and witness the tests in order to check that the requirements are met;
 - (c) Issue reports of the results of the inspections and tests, which may cover a number of items; and
 - (d) Ensure that the required marks are applied.
- 1.8.7.5.2** Reports of periodic inspections and tests of pressure receptacles shall be retained by the applicant at least until the next periodic inspection.
- NOTE:** For tanks, see provisions for tank records in 4.3.2.1.7.
- 1.8.7.6 Surveillance of the applicant's in-house inspection service**
- 1.8.7.6.1** The applicant shall:
- (a) Implement an in-house inspection service with a quality system for inspections and tests documented in 1.8.7.7.5 and subject to surveillance;
 - (b) Fulfil the obligations arising out of the quality system as approved and to ensure that it remains satisfactory and efficient;
 - (c) Appoint trained and competent personnel for the in-house inspection service; and
 - (d) Affix the registered mark of the inspection body where appropriate.
- 1.8.7.6.2** The inspection body shall carry out an initial audit. If satisfactory the inspection body shall issue an authorisation for a period not exceeding three years. The following provisions shall be met:
- (a) This audit shall confirm that the inspections and tests performed on the product are in compliance with the requirements of RID;
 - (b) The inspection body may authorise the in-house inspection service of the applicant to affix the registered mark of the inspection body to each approved product;
 - (c) The authorisation may be renewed after a satisfactory audit in the last year prior to the expiry. The new period of validity shall begin with the date of expiry of the authorisation; and
 - (d) The auditors of the inspection body shall be competent to carry out the assessment of conformity of the product covered by the quality system.
- 1.8.7.6.3** The inspection body shall carry out periodic audits within the duration of the authorisation to make sure that the applicant maintains and applies the quality system. The following provisions shall be met:
- (a) A minimum of two audits shall be carried out in a 12 month period;
 - (b) The inspection body may require additional visits, training, technical changes, modifications of the quality system, restrict or prohibit the inspections and tests to be done by the applicant;
 - (c) The inspection body shall assess any changes in the quality system and decide whether the modified quality system will still satisfy the requirements of the initial audit or whether a full reassessment is required;
 - (d) The auditors of the inspection body shall be competent to carry out the assessment of conformity of the product covered by the quality system; and
 - (e) The inspection body shall provide the applicant with a visit or audit report and, if a test has taken place, with a test report.
- 1.8.7.6.4** In cases of non conformity with the relevant requirements the inspection body shall ensure that corrective measures are taken. If corrective measures are not taken in due time, the inspection body shall suspend or withdraw the permission for the in-house inspection service to carry out its activities. The notice of suspension or withdrawal shall be transmitted to the competent authority. A report shall be provided to the applicant giving detailed reasons for the decisions taken by the inspection body.

1.8.7.7 Documents

The technical documentation shall enable an assessment to be made of conformity with the relevant requirements.

1.8.7.7.1 Documents for type approval

The applicant shall provide as appropriate:

- (a) The list of standards used for the design and manufacture;
- (b) A description of the type including all variations;
- (c) The instructions according to the relevant column of Table A of Chapter 3.2 or a list of dangerous goods to be transported for dedicated products;
- (d) A general assembly drawing or drawings;
- (e) The detailed drawings, including the dimensions used for the calculations, of the product, the service equipment, the structural equipment, the marking and/or the labelling necessary to verify the conformity;
- (f) The calculation notes, results and conclusions;
- (g) The list of the service equipment with the relevant technical data and information on the safety devices including the calculation of the relief capacity if relevant;
- (h) The list of material requested in the standard for manufacture used for every part, sub-part, lining, service and structural equipment and the corresponding material specifications or the corresponding declaration of conformity to RID;
- (i) The approved qualification of permanent joining process;
- (j) The description of the heat treatment process(es); and
- (k) The procedures, descriptions and records of all relevant tests listed in the standards or RID for the type approval and for the manufacture.

1.8.7.7.2 Documents for the supervision of manufacture

The applicant shall make available as appropriate:

- (a) The documents listed in 1.8.7.7.1;
- (b) A copy of the type approval certificate;
- (c) The manufacturing procedures including test procedures;
- (d) The manufacturing records;
- (e) The approved qualifications of permanent joining operators;
- (f) The approved qualifications of the non destructive test operators;
- (g) The reports of the destructive and non destructive tests;
- (h) The heat treatment records; and
- (i) The calibration records.

1.8.7.7.3 Documents for initial inspection and tests

The applicant shall make available as appropriate:

- (a) The documents listed in 1.8.7.7.1 and 1.8.7.7.2;
- (b) The material certificates of the product and any sub-parts;
- (c) The declarations of conformity and material certificates of the service equipment; and
- (d) A declaration of conformity including the description of the product and all the variations adopted from the type approval.

1.8.7.7.4 Documents for periodic inspections, intermediate inspections and exceptional checks

The applicant shall make available as appropriate:

- (a) For pressure receptacles, the documents specifying special requirements when the manufacturing and periodic inspections and tests standards so require;
- (b) For tanks,
 - (i) the tank record; and
 - (ii) one or more of the documents mentioned in 1.8.7.7.1 to 1.8.7.7.3.

1.8.7.7.5 Documents for the assessment of in-house inspection service

The applicant for in-house inspection service shall make available the quality system documentation as appropriate:

- (a) The organisational structure and responsibilities;
- (b) The relevant inspection and test, quality control, quality assurance and process operation instructions, and systematic actions that will be used;
- (c) The quality records, such as inspection reports, test data, calibration data and certificates;
- (d) The management reviews to ensure the effective operation of the quality system arising from the audits in accordance with 1.8.7.6;
- (e) The process describing how customer and regulation requirements are met;
- (f) The process for control of documents and their revision;
- (g) The procedures for dealing with non-conforming products; and
- (h) The training programmes and qualification procedures for relevant personnel.

1.8.7.8 Products manufactured, approved, inspected and tested according to standards

The requirements of 1.8.7.7 are considered to have been complied with if the following standards, as relevant, are applied:

Applicable sub-section and paragraph	References	Title of the document
1.8.7.7.1 to 1.8.7.7.4	EN 12972:2007	Tanks for transport of dangerous goods – Testing, inspection and marking of metallic tanks

1.8.8 Procedures for conformity assessment of gas cartridges

When assessing the conformity of gas cartridges, one of the following procedures shall be applied:

- (a) The procedure in section 1.8.7 for non-UN pressure receptacles, with the exception of 1.8.7.5; or
- (b) The procedure in sub-sections 1.8.8.1 to 1.8.8.7.

1.8.8.1 General provisions

1.8.8.1.1 The supervision of manufacture shall be carried out by an Xa body and the tests as required in 6.2.6 shall be carried out either by that Xa body or by an IS-body approved by that Xa body; for definition of Xa and IS bodies see definitions in 6.2.3.6.1. Conformity assessment shall be carried out by the competent authority, its delegate or its approved inspection body of an RID Contracting State.

1.8.8.1.2 By the application of 1.8.8, the applicant shall demonstrate, ensure and declare on his sole responsibility the conformity of gas cartridges with the provisions of 6.2.6 and all further applicable provisions of RID.

1.8.8.1.3 The applicant shall

- (a) Carry out a design type examination of each type of gas cartridges (including materials to be used and variations of that type, e.g. volumes, pressures, drawings and closing and release devices) according to 1.8.8.2;
- (b) Operate an approved quality system for design, manufacture, inspection and testing according to 1.8.8.3;
- (c) Operate an approved testing regime according to 1.8.8.4 for the tests required in 6.2.6;
- (d) Apply for the approval of his quality system for supervision of manufacture and for testing to one Xa body of his choice of the RID Contracting State; if the applicant is not established in an RID Contracting State he shall apply to one Xa body of an RID Contracting State prior to first transport into an RID Contracting State;
- (e) If the gas cartridge is finally assembled from parts manufactured by the applicant by one or more other enterprise(s), provide written instructions how to assemble and fill the gas cartridges to meet the provisions of his type examination certificate.

1.8.8.1.4 Where the applicant and enterprises assembling or filling gas cartridges according to the instructions of the applicant, can demonstrate to the satisfaction of the Xa body conformity with the provisions of 1.8.7.6 excluding 1.8.7.6.1 (d) and 1.8.7.6.2 (b), they may establish an in-house inspection service which may perform part or all of the inspections and tests specified in 6.2.6.

1.8.8.2 Design type examination

- 1.8.8.2.1** The applicant shall establish technical documentation for each type of gas cartridges including the technical standard(s) applied. If he chooses to apply a standard not referenced in 6.2.6, he shall add the standard applied to the documentation.
- 1.8.8.2.2** The applicant shall retain the technical documentation together with samples of that type at the disposal of the Xa body during production and afterwards for a period of minimum five years starting from the last date of production of gas cartridges according to that type examination certificate.
- 1.8.8.2.3** The applicant shall after careful examination issue a design type certificate which shall be valid for a maximum period of ten years; he shall add this certificate to the documentation. This certificate authorises him to produce gas cartridges of that type for that period.
- 1.8.8.2.4** If within that period the relevant technical requirements of RID (including referenced standards) have changed so that the design type is no longer in conformity with them, the applicant shall withdraw his type examination certificate and inform the Xa body.
- 1.8.8.2.5** The applicant may after careful and complete review reissue the certificate for another period of maximum ten years.

1.8.8.3 Supervision of manufacture

- 1.8.8.3.1** The procedure of design type examination as well as the manufacturing process shall be subject to a survey by the Xa body to ensure the type certified by the applicant and the product as produced are in conformity with the provisions of the design type certificate and the applicable provisions of RID. If 1.8.8.1.3 (e) applies, the assembling and filling enterprises shall be included in that procedure.
- 1.8.8.3.2** The applicant shall take all the necessary measures to ensure that the manufacturing process complies with the applicable provisions of RID and of his design type certificate and its annexes. If 1.8.8.1.3 (e) applies, the assembling and filling enterprises shall be included in that procedure.
- 1.8.8.3.3** The Xa body shall:
- (a) Verify the conformity of the design type examination of the applicant and conformity of the type of gas cartridges with the technical documentation specified in 1.8.8.2;
 - (b) Verify that the manufacturing process produces products in conformity with the requirements and the documentation which apply to it; if the gas cartridge is finally assembled from parts manufactured by the applicant by one or more enterprise(s), the Xa body shall also verify that the gas cartridges are in full conformity with all applicable provisions after final assembly and filling and that the instructions of the applicant are correctly applied;
 - (c) Verify that the personnel undertaking the permanent joining of parts and the tests are qualified or approved;
 - (d) Record the results of its surveys.
- 1.8.8.3.4** If the findings of the Xa body show non-conformity of the design type certificate of the applicant or the manufacturing process, he shall require appropriate corrective measures or withdrawal of the certificate from the applicant.

1.8.8.4 Leakproofness test

- 1.8.8.4.1** The applicant and enterprises finally assembling and filling gas cartridges according to the instructions of the applicant shall:
- (a) Carry out the tests required in 6.2.6;
 - (b) Record the test results;
 - (c) Issue a certificate of conformity only for gas cartridges, which are in full compliance with the provisions of his design type examination and the applicable provisions of RID and have successfully passed the tests as required in 6.2.6;
 - (d) Retain the documentation as specified in 1.8.8.7 during production and afterwards for a period of minimum five years from the last date of production of gas cartridges belonging to one type approval for inspection by the Xa body at random intervals;
 - (e) Affix a durable and legible mark identifying the type of gas cartridge, the applicant and the date of production or batch number; where due to limited available space the mark cannot be fully applied to the body of the gas cartridge, he shall affix a durable tag with this information to the gas cartridge or place it together with a gas cartridge in an inner packaging.

1.8.8.4.2 The Xa body shall:

- (a) Perform the necessary examinations and tests at random intervals, but at least shortly after starting of manufacture of a type of gas cartridges and thereafter at least once every three years, in order to verify that the procedure for design type examination of the applicant as well as that the manufacture and testing of the product are carried out in accordance with the design type certificate and the relevant provisions;
- (b) Check the certificates supplied by the applicant;
- (c) Carry out the tests as required in 6.2.6 or approve the program of testing and the in-house inspection service to carry out the tests.

1.8.8.4.3 The certificate shall contain as a minimum:

- (a) The name and address of the applicant and, when the final assembly is not carried out by the applicant but by an enterprise or enterprises in accordance with the written instructions of the applicant, the name(s) and address(es) of these enterprises;
- (b) A reference to the version of RID and the standard(s) used for manufacture and tests;
- (c) The result of inspections and tests;
- (d) The data for the marking as required in 1.8.8.4.1 (e).

1.8.8.5 (Reserved)**1.8.8.6** **Surveillance of the in-house inspection service**

When the applicant or enterprise assembling or filling gas cartridges has established an in-house inspection service, the provisions of 1.8.7.6 excluding 1.8.7.6.1 (d) and 1.8.7.6.2 (b) shall be applied. The enterprise assembling or filling gas cartridges shall comply with the provisions relevant to the applicant.

1.8.8.7 **Documents**

The provisions of 1.8.7.7.1, 1.8.7.7.2, 1.8.7.7.3 and 1.8.7.7.5 shall be applied.

Chapter 1.9 Restrictions on carriage imposed by the competent authorities

- 1.9.1** An RID Contracting State may apply to the international carriage of dangerous goods by rail on its territory certain additional provisions not included in RID, provided that these additional provisions
- are in accordance with 1.9.2,
 - do not conflict with the provisions of 1.1.2.1 (b),
 - are contained in the RID Contracting State's domestic legislation applying equally to the domestic carriage of dangerous goods by rail on the territory of that RID Contracting State,
 - do not result in the prohibition of carriage by rail of the dangerous goods covered by these provisions in the whole territory of the RID Contracting State.
- 1.9.2** The additional provisions referred to in 1.9.1 are:
- (a) additional safety requirements or restrictions on carriage
- using certain structures such as bridges or tunnels¹⁶,
 - using combined transport installations such as transshipment installations, or
 - where the transport operation begins or ends in ports, railway stations or other transport terminals.
- (b) provisions according to which the carriage of certain dangerous goods on sections with special and local risks is prohibited, such as sections in residential areas, environmentally sensitive areas, economic centres or industrial zones containing hazardous installations, or to which special conditions, e.g. operational measures (reduced speed, specified journey times, prohibition on trains meeting each other, etc.) apply. Where possible, the competent authorities shall establish alternative routes which may be used for each prohibited route or each route subject to special provisions.
- (c) exceptional provisions specifying the excluded or prescribed routeing or provisions to be observed for temporary storage resulting from extreme weather conditions, earthquake, accident, demonstrations, civil disorder or military hostilities.
- 1.9.3** Application of the additional provisions in accordance with 1.9.2 (a) and (b) presupposes that the competent authority provides evidence of the need for measures.¹⁷
- 1.9.4** The competent authority of the RID Contracting State applying on its territory any additional provisions within the scope of 1.9.2 (a) and (b) above shall notify the Secretariat of OTIF, in general in advance, of the additional provisions. The Secretariat of OTIF shall bring them to the attention of the RID Contracting States.
- 1.9.5** Notwithstanding with preceding paragraphs, RID Contracting States may lay down specific safety requirements for the international carriage of dangerous goods by rail, in so far as RID does not cover that area, in particular as regards
- the running of trains,
 - operating rules for operations ancillary to transport such as marshalling and stabling,
 - management of information concerning the dangerous goods transported,
- provided they are contained in its national legislation and are also applicable to the national carriage of dangerous goods by rail in the territory of the said RID Contracting State.
- These specific requirements shall not concern the areas covered by RID, in particular those listed in 1.1.2 (a) and 1.1.2 (b).

¹⁶ For carriage through the Channel Tunnel and through tunnels with similar characteristics, see also Annex II of Directive 2008/68/EC of the European Parliament and of the Council of 24 September 2008 on the inland transport of dangerous goods, published in the Official Journal of the European Union, L 260, 30 September 2008, p. 13.

¹⁷ The Generic Guideline for the Calculation of Risk inherent in the Carriage of Dangerous Goods by Rail approved by the RID Committee of Experts on 24 November 2005 may be consulted on the OTIF website (www.otif.org).

Chapter 1.10 Security provisions

NOTE: For the purposes of this Chapter, security means measures or precautions to be taken to minimise theft or misuse of dangerous goods that may endanger persons, property or the environment.

1.10.1 General provisions

- 1.10.1.1** All persons engaged in the carriage of dangerous goods shall consider the security requirements set out in this Chapter commensurate with their responsibilities.
- 1.10.1.2** Dangerous goods shall only be offered for carriage to carriers that have been appropriately identified.
- 1.10.1.3** Areas within temporary storage terminals, temporary storage sites, vehicle depots, berthing areas and marshalling yards used for temporary storage during carriage of dangerous goods shall be properly secured, well lit and, where possible and appropriate, not accessible to the general public.
- 1.10.1.4** Each crew member of a train carrying dangerous goods shall carry with them means of identification, which includes their photograph, during carriage.
- 1.10.1.5** Safety inspections in accordance with 1.8.1 shall cover appropriate security measures.

1.10.2 Security training

- 1.10.2.1** The training and the refresher training specified in Chapter 1.3 shall also include elements of security awareness. The security refresher training need not be linked to regulatory changes only.
- 1.10.2.2** Security awareness training shall address the nature of security risks, recognising security risks, methods to address and reduce such risks and actions to be taken in the event of a security breach. It shall include awareness of security plans (if appropriate) commensurate with the responsibilities and duties of individuals and their part in implementing security plans.
- 1.10.2.3** Such training shall be provided or verified upon employment in a position involving dangerous goods transport and shall be periodically supplemented with refresher training.
- 1.10.2.4** Records of all security training received shall be kept by the employer and made available to the employee or competent authority, upon request. Records shall be kept by the employer for a period of time established by the competent authority.

1.10.3 Provisions for high consequence dangerous goods

1.10.3.1 Definition of high consequence dangerous goods

- 1.10.3.1.1** High consequence dangerous goods are those which have the potential for misuse in a terrorist event and which may, as a result, produce serious consequences such as mass casualties, mass destruction or, particularly for Class 7, mass socio-economic disruption.
- 1.10.3.1.2** High consequence dangerous goods in classes other than Class 7 are those listed in Table 1.10.3.1.2 below and carried in quantities greater than those indicated therein.

Table 1.10.3.1.2: List of high consequence dangerous goods

Class	Division	Substance or article	Quantity		
			Tank (l) ^(c)	Bulk (kg) ^(d)	Packages (kg)
1	1.1	Explosives	(a)	(a)	0
	1.2	Explosives	(a)	(a)	0
	1.3	Compatibility group C explosives	(a)	(a)	0
	1.4	Explosives of UN Nos. 0104, 0237, 0255, 0267, 0289, 0361, 0365, 0366, 0440, 0441, 0455, 0456 and 0500	(a)	(a)	0
	1.5	Explosives	0	(a)	0
2		Flammable gases (classification codes including only the letter F)	3000	(a)	(b)
		Toxic gases (classification codes including letters T, TF, TC, TO, TFC or TOC) excluding aerosols	0	(a)	0
3		Flammable liquids of packing groups I and II	3000	(a)	(b)
		Desensitized explosives	0	(a)	0
4.1		Desensitized explosives	(a)	(a)	0

Class	Division	Substance or article	Quantity		
			Tank (l) ^(c)	Bulk (kg) ^(d)	Packages (kg)
4.2		Packing group I substances	3000	^(a)	^(b)
4.3		Packing group I substances	3000	^(a)	^(b)
5.1		Oxidizing liquids of packing group I	3000	^(a)	^(b)
		Perchlorates, ammonium nitrate, ammonium nitrate fertilisers and ammonium nitrate emulsions or suspensions or gels	3000	3000	^(b)
6.1		Toxic substances of packing group I	0	^(a)	0
6.2		Infectious substances of Category A (UN Nos. 2814 and 2900, except for animal material)	^(a)	0	0
8		Corrosive substances of packing group I	3000	^(a)	^(b)

^(a) Not relevant

^(b) The provisions of 1.10.3 do not apply, whatever the quantity is.

^(c) A value indicated in this column is applicable only if carriage in tanks is authorized, in accordance with Chapter 3.2, Table A, column (10) or (12). For substances that are not authorized for carriage in tanks, the instruction in this column is not relevant.

^(d) A value indicated in this column is applicable only if carriage in bulk is authorized, in accordance with Chapter 3.2, Table A, column (10) or (17). For substances that are not authorized for carriage in bulk, the instruction in this column is not relevant.

1.10.3.1.3 For dangerous goods of Class 7, high consequence radioactive material is that with an activity equal to or greater than a transport security threshold of 3 000 A₂ per single package (see also 2.2.7.2.2.1) except for the following radionuclides where the transport security threshold is given in Table 1.10.3.1.3 below.

Table 1.10.3.1.3: Transport security thresholds for specific radionuclides

Element	Radionuclide	Transport security threshold (TBq)
Americium	Am-241	0.6
Gold	Au-198	2
Cadmium	Cd-109	200
Californium	Cf-252	0.2
Curium	Cm-244	0.5
Cobalt	Co-57	7
Cobalt	Co-60	0.3
Caesium	Cs-137	1
Iron	Fe-55	8000
Germanium	Ge-68	7
Gadolinium	Gd-153	10
Iridium	Ir-192	0,8
Nickel	Ni-63	600
Palladium	Pd-103	900
Promethium	Pm-147	400
Polonium	Po-210	0.6
Plutonium	Pu-238	0.6
Plutonium	Pu-239	0.6
Radium	Ra-226	0.4
Ruthenium	Ru-106	3
Selenium	Se-75	2
Strontium	Sr-90	10
Thallium	Tl-204	200
Thulium	Tm-170	200
Ytterbium	Yb-169	3

1.10.3.1.4 For mixtures of radionuclides, determination of whether or not the transport security threshold has been met or exceeded can be calculated by summing the ratios of activity present for each radionuclide divided by the transport security threshold for that radionuclide. If the sum of the fractions is less than 1, then the radioactivity threshold for the mixture has not been met or exceeded.

This calculation can be made with the formula:

$$\sum_i \frac{A_i}{T_i} < 1$$

Where:

A_i = activity of radionuclide i that is present in a package (TBq)

T_i = transport security threshold for radionuclide i (TBq).

- 1.10.3.1.5** When radioactive material possesses subsidiary risks of other classes, the criteria of table 1.10.3.1.2 shall also be taken into account (see also 1.7.5).

1.10.3.2 Security plans

- 1.10.3.2.1** Carriers, consignors and other participants specified in 1.4.2 and 1.4.3 engaged in the carriage of high consequence dangerous goods (see Table 1.10.3.1.2) or high consequence radioactive material (see 1.10.3.1.3) shall adopt, implement and comply with a security plan that addresses at least the elements specified in 1.10.3.2.2.

- 1.10.3.2.2** The security plan shall comprise at least the following elements:

- (a) specific allocation of responsibilities for security to competent and qualified persons with appropriate authority to carry out their responsibilities;
- (b) records of dangerous goods or types of dangerous goods concerned;
- (c) review of current operations and assessment of security risks, including any stops necessary to the transport operation, the keeping of dangerous goods in the wagon, tank or container before, during and after the journey and the intermediate temporary storage of dangerous goods during the course of intermodal transfer or transshipment between units, as appropriate;
- (d) clear statement of measures that are to be taken to reduce security risks, commensurate with the responsibilities and duties of the participant, including:
 - training;
 - security policies (e.g. response to higher threat conditions, new employee/employment verification, etc.);
 - operating practices (e.g. choice/use of routes where known, access to dangerous goods in intermediate temporary storage (as defined in (c)), proximity to vulnerable infrastructure etc.);
 - equipment and resources that are to be used to reduce security risks;
- (e) effective and up to date procedures for reporting and dealing with security threats, breaches of security or security incidents;
- (f) procedures for the evaluation and testing of security plans and procedures for periodic review and update of the plans;
- (g) measures to ensure the physical security of transport information contained in the security plan; and
- (h) measures to ensure that the distribution of information relating to the transport operation contained in the security plan is limited to those who need to have it. Such measures shall not preclude the provision of information required elsewhere in RID.

NOTE: Carriers, consignors and consignees should co-operate with each other and with competent authorities to exchange threat information, apply appropriate security measures and respond to security incidents.

- 1.10.3.3** Devices, equipment or arrangements to prevent the theft of the train or wagon carrying high consequence dangerous goods (see Table 1.10.3.1.2) or high consequence radioactive material (see 1.10.3.1.3) and its cargo, shall be applied and measures taken to ensure that these are operational and effective at all times. The application of these protective measures shall not jeopardize emergency response.

NOTE: When appropriate and already fitted, the use of transport telemetry or other tracking methods or devices should be used to monitor the movement of high consequence dangerous goods (see Table 1.10.3.1.2) or high consequence radioactive material (see 1.10.3.1.3).

- 1.10.4** The provisions of 1.10.1, 1.10.2 and 1.10.3 do not apply when the quantities carried in packages in a wagon or large container do not exceed those referred to in 1.1.3.6.3, except for UN numbers 0029, 0030, 0059, 0065, 0073, 0104, 0237, 0255, 0267, 0288, 0289, 0290, 0360, 0361, 0364, 0365, 0366, 0439, 0440, 0441, 0455, 0456 and 0500 and except for UN numbers 2910 and 2911 if the activity level exceeds the A_2 value. In addition, the provisions of 1.10.1, 1.10.2 and 1.10.3 do not apply when the quantities carried in tanks or in bulk in a wagon or container do not exceed those referred to in 1.1.3.6.3. In addition the provisions of this Chapter do not apply to the carriage of UN No. 2912 RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I) and UN No. 2913 RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I).

- 1.10.5** For radioactive material, the provisions of this Chapter are deemed to be complied with when the provisions of the Convention on Physical Protection of Nuclear Material¹⁸ and the IAEA circular on "The Physical Protection of Nuclear Material and Nuclear Facilities"¹⁹ are applied.

¹⁸ INFCIRC/274/Rev.1, IAEA, Vienna (1980).

¹⁹ INFCIRC/225/Rev.4 (Corrected), IAEA, Vienna (1999).

Chapter 1.11 Internal emergency plans for marshalling yards

Internal emergency plans shall be drawn up for the carriage of dangerous goods in marshalling yards.

The aim of emergency plans shall be that in the event of an accident or incident in marshalling yards, all those involved shall co-operate in a co-ordinated way and the consequences of the accident or incident for human life or for the environment shall be minimised to the greatest possible extent.

The requirements of this Chapter are considered to have been complied with if UIC Leaflet 201 (Carriage of dangerous goods – Emergency planning guidance for rail marshalling yards) is applied²⁰.

²⁰ Edition of 1 July 2012.

Part 2 Classification

Chapter 2.1 General provisions

2.1.1 Introduction

2.1.1.1 The classes of dangerous goods according to RID are the following:

- Class 1 Explosive substances and articles
- Class 2 Gases
- Class 3 Flammable liquids
- Class 4.1 Flammable solids, self-reactive substances and solid desensitized explosives
- Class 4.2 Substances liable to spontaneous combustion
- Class 4.3 Substances which, in contact with water, emit flammable gases
- Class 5.1 Oxidizing substances
- Class 5.2 Organic peroxides
- Class 6.1 Toxic substances
- Class 6.2 Infectious substances
- Class 7 Radioactive material
- Class 8 Corrosive substances
- Class 9 Miscellaneous dangerous substances and articles

2.1.1.2 Each entry in the different classes has been assigned a UN number. The following types of entries are used:

- A. Single entries for well defined substances or articles including entries for substances covering several isomers, e.g.:
 - UN No. 1090 ACETONE
 - UN No. 1104 AMYL ACETATES
 - UN No. 1194 ETHYL NITRITE SOLUTION
- B. Generic entries for a well defined group of substances or articles, which are not n.o.s. entries, e.g.:
 - UN No. 1133 ADHESIVES
 - UN No. 1266 PERFUMERY PRODUCTS
 - UN No. 2757 CARBAMATE PESTICIDE, SOLID, TOXIC
 - UN No. 3101 ORGANIC PEROXIDE TYPE B, LIQUID
- C. Specific n.o.s. entries covering a group of substances or articles of a particular chemical or technical nature, not otherwise specified, e.g.:
 - UN No. 1477 NITRATES, INORGANIC, N.O.S.
 - UN No. 1987 ALCOHOLS, N.O.S.
- D. General n.o.s. entries covering a group of substances or articles having one or more dangerous properties, not otherwise specified, e.g.:
 - UN No. 1325 FLAMMABLE SOLID, ORGANIC, N.O.S.
 - UN No. 1993 FLAMMABLE LIQUID, N.O.S.

The entries defined under B., C. and D. are defined as collective entries.

2.1.1.3 For packing purposes, substances other than those of Classes 1, 2, 5.2, 6.2 and 7, and other than self-reactive substances of Class 4.1 are assigned to packing groups in accordance with the degree of danger they present:

- Packing group I: Substances presenting high danger;
- Packing group II: Substances presenting medium danger;
- Packing group III: Substances presenting low danger.

The packing group(s) to which a substance is assigned is (are) indicated in Table A of Chapter 3.2.

2.1.2 Principles of classification

2.1.2.1 The dangerous goods covered by the heading of a class are defined on the basis of their properties according to sub-section 2.2.x.1 of the relevant class. Assignment of dangerous goods to a class and a packing group is made according to the criteria mentioned in the same sub-section 2.2.x.1. Assignment of one or several subsidiary risk(s) to a dangerous substance or article is made according to the criteria of the class or classes corresponding to those risks, as mentioned in the appropriate sub-section(s) 2.2.x.1.

- 2.1.2.2** All dangerous goods entries are listed in Table A of Chapter 3.2 in the numerical order of their UN Number. This table contains relevant information on the goods listed, such as name, class, packing group(s), label(s) to be affixed, packing and carriage provisions.
NOTE: An alphabetical list of these entries is given in table B of Chapter 3.2.
- 2.1.2.3** A substance may contain technical impurities (for example those deriving from the production process) or additives for stability or other purposes that do not affect their classification. However, a substance mentioned by name, i.e. listed as a single entry in Table A of Chapter 3.2, containing technical impurities or additives for stability or other purposes affecting its classification shall be considered a solution or mixture (see 2.1.3.3).
- 2.1.2.4** Dangerous goods which are listed or defined in sub-section 2.2.x.2 of each class are not to be accepted for carriage.
- 2.1.2.5** Goods not mentioned by name, i.e. goods not listed as single entries in Table A of Chapter 3.2 and not listed or defined in one of the above-mentioned sub-sections 2.2.x.2 shall be assigned to the relevant class in accordance with the procedure of section 2.1.3. In addition, the subsidiary risk (if any) and the packing group (if any) shall be determined. Once the class, subsidiary risk (if any) and packing group (if any) have been established the relevant UN number shall be determined. The decision trees in sub-sections 2.2.x.3 (list of collective entries) at the end of each class indicate the relevant parameters for selecting the relevant collective entry (UN number). In all cases the most specific collective entry covering the properties of the substance or article shall be selected, according to the hierarchy indicated in 2.1.1.2 by the letters B, C and D respectively. If the substance or article cannot be classified under entries of type B or C according to 2.1.1.2, then, and only then shall it be classified under an entry of type D.
- 2.1.2.6** On the basis of the test procedures of Chapter 2.3 and the criteria set out in sub-sections 2.2.x.1 of classes when it is so specified, it may be determined that a substance, solution or mixture of a certain class, mentioned by name in Table A of Chapter 3.2, does not meet the criteria of that class. In such a case, the substance, solution or mixture is deemed not to belong to that class.
- 2.1.2.7** For the purposes of classification, substances with a melting point or initial melting point of 20 °C or lower at a pressure of 101.3 kPa shall be considered to be liquids. A viscous substance for which a specific melting point cannot be determined shall be subjected to the ASTM D 4359-90 test or to the test for determining fluidity (penetrometer test) prescribed in 2.3.4.
- 2.1.3** **Classification of substances, including solutions and mixtures (such as preparations and wastes), not mentioned by name**
- 2.1.3.1** Substances including solutions and mixtures not mentioned by name shall be classified according to their degree of danger on the basis of the criteria mentioned in sub-section 2.2.x.1 of the various classes. The danger(s) presented by a substance shall be determined on the basis of its physical and chemical characteristics and physiological properties. Such characteristics and properties shall also be taken into account when such experience leads to a more stringent assignment.
- 2.1.3.2** A substance not mentioned by name in Table A of Chapter 3.2 presenting a single hazard shall be classified in the relevant class under a collective entry listed in sub-section 2.2.x.3 of that class.
- 2.1.3.3** A solution or mixture meeting the classification criteria of RID composed of a single predominant substance mentioned by name in Table A of Chapter 3.2 and one or more substances not subject to RID or traces of one or more substances mentioned by name in Table A of Chapter 3.2, shall be assigned the UN number and proper shipping name of the predominant substance mentioned by name in Table A of Chapter 3.2 unless:
- (a) The solution or mixture is mentioned by name in Table A of Chapter 3.2;
 - (b) The name and description of the substance mentioned by name in Table A of Chapter 3.2 specifically indicate that they apply only to the pure substance;
 - (c) The class, classification code, packing group, or physical state of the solution or mixture is different from that of the substance mentioned by name in Table A of Chapter 3.2; or
 - (d) The hazard characteristics and properties of the solution or mixture necessitate emergency response measures that are different from those required for the substance mentioned by name in Table A of Chapter 3.2.
- In those other cases, except the one described in (a), the solution or mixture shall be classified as a substance not mentioned by name in the relevant class under a collective entry listed in sub-section 2.2.x.3 of that class taking account of the subsidiary risks presented by that solution or mixture, if any, unless the solution or mixture does not meet the criteria of any class, in which case it is not subject to RID.
- 2.1.3.4** Solutions and mixtures containing a substance belonging to one of the entries mentioned in 2.1.3.4.1 or 2.1.3.4.2 shall be classified in accordance with the provisions of these paragraphs.

- 2.1.3.4.1** Solutions and mixtures containing one of the following substances mentioned by name shall always be classified under the same entry as the substance they contain, provided they do not have the hazard characteristics as indicated in 2.1.3.5.3:
- Class 3
 - UN 1921 PROPYLENEIMINE, STABILIZED
 - UN 3064 NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin
 - Class 6.1
 - UN 1051 HYDROGEN CYANIDE, STABILIZED, containing less than 3% water
 - UN 1185 ETHYLENEIMINE, STABILIZED
 - UN 1259 NICKEL CARBONYL
 - UN 1613 HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION), with not more than 20% hydrogen cyanide
 - UN 1614 HYDROGEN CYANIDE, STABILIZED, containing not more than 3% water and absorbed in a porous inert material
 - UN 1994 IRON PENTACARBONYL
 - UN 2480 METHYL ISOCYANATE
 - UN 2481 ETHYL ISOCYANATE
 - UN 3294 HYDROGEN CYANIDE, SOLUTION IN ALCOHOL, with not more than 45% hydrogen cyanide
 - Class 8
 - UN 1052 HYDROGEN FLUORIDE, ANHYDROUS
 - UN 1744 BROMINE or UN 1744 BROMINE SOLUTION
 - UN 1790 HYDROFLUORIC ACID with more than 85% hydrogen fluoride
 - UN 2576 PHOSPHORUS OXYBROMIDE, MOLTEN
- 2.1.3.4.2** Solutions and mixtures containing a substance belonging to one of the following entries of Class 9:
- UN 2315 POLYCHLORINATED BIPHENYLS, LIQUID or
 - UN 3432 POLYCHLORINATED BIPHENYLS, SOLID
 - UN 3151 POLYHALOGENATED BIPHENYLS, LIQUID or
 - UN 3151 POLYHALOGENATED TERPHENYLS, LIQUID
 - UN 3152 POLYHALOGENATED BIPHENYLS, SOLID or
 - UN 3152 POLYHALOGENATED TERPHENYLS, SOLID
- shall always be classified under the same entry of Class 9, provided that:
- they do not contain any additional dangerous component other than components of packing group III of classes 3, 4.1, 4.2, 4.3, 5.1, 6.1 or 8; and
 - they do not have the hazard characteristics as indicated in 2.1.3.5.3.
- 2.1.3.5** Substances not mentioned by name in Table A of Chapter 3.2, having more than one hazard characteristic and solutions or mixtures meeting the classification criteria of RID and containing several dangerous substances shall be classified under a collective entry (see 2.1.2.5) and packing group of the appropriate class in accordance with their hazard characteristics. Such classification according to the hazard characteristics shall be carried out as follows:
- 2.1.3.5.1** The physical and chemical characteristics and physiological properties shall be determined by measurement or calculation and the substance, solution or mixture shall be classified according to the criteria mentioned in sub-section 2.2.x.1 of the various classes.
- 2.1.3.5.2** If this determination is not possible without disproportionate cost or effort (as for some kinds of wastes), the substance, solution or mixture shall be classified in the class of the component presenting the major hazard.
- 2.1.3.5.3** If the hazard characteristics of the substance, solution or mixture fall within more than one class or group of substances listed below then the substance, solution or mixture shall be classified in the class or group of substances corresponding to the major hazard on the basis of the following order of precedence:
- (a) Material of Class 7 (apart from radioactive material in excepted packages for which special provision 290 of Chapter 3.3 applies, where the other hazardous properties take precedence);
 - (b) Substances of Class 1;
 - (c) Substances of Class 2;
 - (d) Liquid desensitized explosives of Class 3;
 - (e) Self-reactive substances and solid desensitized explosives of Class 4.1;

- (f) Pyrophoric substances of Class 4.2;
- (g) Substances of Class 5.2;
- (h) Substances of Class 6.1 meeting the inhalation toxicity criteria of packing group I (substances meeting the classification criteria of Class 8 and having an inhalation toxicity of dust and mist (LC₅₀) in the range of packing group I and a toxicity through oral ingestion or dermal contact only in the range of packing group III or less, shall be allocated to Class 8);
- (i) Infectious substances of Class 6.2.

2.1.3.5.4 If the hazard characteristics of the substance fall within more than one class or group of substances not listed in 2.1.3.5.3 above, the substance shall be classified in accordance with the same procedure but the relevant class shall be selected according to the precedence of hazards table in 2.1.3.10.

2.1.3.5.5 If the substance to be carried is a waste, with a composition that is not precisely known, its assignment to a UN number and packing group in accordance with 2.1.3.5.2 may be based on the consignor's knowledge of the waste, including all available technical and safety data as requested by safety and environmental legislation in force¹.

In case of doubt, the highest danger level shall be taken.

If however, on the basis of the knowledge of the composition of the waste and the physical and chemical properties of the identified components, it is possible to demonstrate that the properties of the waste do not correspond to the properties of the packing group I level, the waste may be classified by default in the most appropriate n.o.s. entry of packing group II. However, if it is known that the waste possesses only environmentally hazardous properties, it may be assigned to packing group III under UN Nos. 3077 or 3082.

This procedure may not be used for wastes containing substances mentioned in 2.1.3.5.3, substances of Class 4.3, substances of the case mentioned in 2.1.3.7 or substances which are not accepted for carriage in accordance with 2.2.x.2.

2.1.3.6 The most specific applicable collective entry (see 2.1.2.5) shall always be used, i.e. a general n.o.s. entry shall only be used if a generic entry or a specific n.o.s. entry cannot be used.

2.1.3.7 Solutions and mixtures of oxidizing substances or substances with an oxidizing subsidiary risk may have explosive properties. In such a case they are not to be accepted for carriage unless they meet the requirements for Class 1.

2.1.3.8 Substances of classes 1 to 6.2, 8 and 9, other than those assigned to UN Nos. 3077 and 3082, meeting the criteria of 2.2.9.1.10 are additionally to their hazards of classes 1 to 6.2, 8 and 9 considered to be environmentally hazardous substances. Other substances meeting the criteria of no other class, but those of 2.2.9.1.10 are to be assigned to UN Nos. 3077 and 3082 as appropriate.

2.1.3.9 Wastes which do not meet the criteria for classification in classes 1 to 9 but are covered by the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal may be carried under UN Nos. 3077 or 3082.

¹ Such legislation is for instance the Commission Decision 2000/532/EC of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste (replaced by the Directive of the European Parliament and of the Council 2006/12/EC (Official Journal of the European Union No. L 114 of 27 April 2006, page 9)) and Council Decision 94/904/EC establishing a list of hazardous wastes pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous wastes (Official Journal of the European Communities No. L 226 of 6 September 2000, page 3).

2.1.3.10 Table of precedence of hazards

Class and packing group	4.1 II	4.1 III	4.2 II	4.2 III	4.3 I	4.3 II	4.3 III	5.1 I	5.1 II	5.1 III	6.1 I DERMAL	6.1 I ORAL	6.1 II	6.1 III	8 I	8 II	8 III	9
3 I	SOL LIQ 4.1 3 I	SOL LIQ 4.2 3 I	SOL LIQ 4.2 3 I	SOL LIQ 4.2 3 I	4.3 I	4.3 I	4.3 I	SOL LIQ 5.1 3 I	SOL LIQ 5.1 3 I	SOL LIQ 5.1 3 I	3 I	3 I	3 I	3 I	3 I	3 I	3 I	3 I
3 II	SOL LIQ 4.1 3 II	SOL LIQ 4.2 3 II	SOL LIQ 4.2 3 II	SOL LIQ 4.2 3 II	4.3 I	4.3 II	4.3 II	SOL LIQ 5.1 3 I	SOL LIQ 5.1 3 II	SOL LIQ 5.1 3 II	3 I	3 I	3 II	3 II	8 I	3 II	3 II	3 II
3 III	SOL LIQ 4.1 3 III	SOL LIQ 4.2 3 III	SOL LIQ 4.2 3 III	SOL LIQ 4.2 3 III	4.3 I	4.3 II	4.3 III	SOL LIQ 5.1 3 I	SOL LIQ 5.1 3 II	SOL LIQ 5.1 3 III	6.1 I	6.1 I	6.1 II	3 III*)	8 I	8 II	3 III	3 III
4.1 II		4.2 II	4.2 II	4.2 II	4.3 I	4.3 II	4.3 II	5.1 I	4.1 II	4.1 II	6.1 I	6.1 I	SOL LIQ 4.1 II 6.1 II	SOL LIQ 4.1 II 6.1 II	8 I	SOL LIQ 4.1 II 8 II	SOL LIQ 4.1 II 8 II	4.1 II
4.1 III		4.2 III	4.2 III	4.2 III	4.3 I	4.3 II	4.3 III	5.1 I	4.1 II	4.1 III	6.1 I	6.1 I	6.1 II	SOL LIQ 4.1 III 6.1 III	8 I	8 II	SOL LIQ 4.1 III 8 III	4.1 III
4.2 II					4.3 I	4.3 II	4.3 II	5.1 I	4.2 II	4.2 II	6.1 I	6.1 I	4.2 II	4.2 II	8 I	4.2 II	4.2 II	4.2 II
4.2 III					4.3 I	4.3 II	4.3 III	5.1 I	5.1 II	4.2 III	6.1 I	6.1 I	6.1 II	4.2 III	8 I	8 II	4.2 III	4.2 III
4.3 I								5.1 I	4.3 I	4.3 I	6.1 I	4.3 I	4.3 I	4.3 I	4.3 I	4.3 I	4.3 I	4.3 I
4.3 II								5.1 I	4.3 II	4.3 II	6.1 I	4.3 I	4.3 II	4.3 II	8 I	4.3 II	4.3 II	4.3 II
4.3 III								5.1 I	5.1 II	4.3 III	6.1 I	6.1 I	6.1 II	4.3 III	8 I	8 II	4.3 III	4.3 III
5.1 I											5.1 I	5.1 I	5.1 I	5.1 I	5.1 I	5.1 I	5.1 I	5.1 I
5.1 II											6.1 I	5.1 I	5.1 I	5.1 I	8 I	5.1 II	5.1 II	5.1 II
5.1 III											6.1 I	6.1 I	6.1 II	5.1 III	8 I	8 II	5.1 III	5.1 III
6.1 I DERMAL													SOL LIQ 6.1 I	6.1 I	SOL LIQ 6.1 I	6.1 I	6.1 I	6.1 I
6.1 I ORAL													SOL LIQ 6.1 I	6.1 I	SOL LIQ 6.1 I	6.1 I	6.1 I	6.1 I
6.1 II INHAL													SOL LIQ 6.1 II	6.1 II	SOL LIQ 6.1 II	6.1 II	6.1 II	6.1 II
6.1 II DERMAL													SOL LIQ 6.1 II	6.1 II	SOL LIQ 6.1 II	6.1 II	6.1 II	6.1 II
6.1 II ORAL													SOL LIQ 6.1 II	6.1 II	SOL LIQ 6.1 II	6.1 II	6.1 II	6.1 II
6.1 III													SOL LIQ 6.1 III	6.1 III	SOL LIQ 6.1 III	6.1 III	6.1 III	6.1 III
8 I													8 I	8 I	8 I	8 I	8 I	8 I
8 II																		8 II
8 III																		8 III

SOL = Solid substances and mixtures
 LIQ = Liquid substances, mixtures and solutions
 DERMAL = Dermal toxicity
 ORAL = Oral toxicity
 INHAL = Inhalation toxicity
 *) Class 6.1 for pesticides

NOTE 1: Examples to explain the use of the table

Classification of a single substance

Description of the substance to be classified:

An amine not mentioned by name meeting the criteria for Class 3, packing group II as well as those for Class 8, packing group I.

Procedure:

The intersection of line 3 II with column 8 I gives 8 I. This amine has therefore to be classified in Class 8 under UN No. 2734 AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or UN No. 2734 POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S., packing group I.

Classification of a mixture

Description of the mixture to be classified:

Mixture consisting of a flammable liquid classified in Class 3, packing group III, a toxic substance in Class 6.1, packing group II and a corrosive substance in Class 8, packing group I.

Procedure:

The intersection of line 3 III with column 6.1 II gives 6.1 II.

The intersection of line 6.1 II with column 8 I gives 8 I LIQ.

This mixture not further defined has therefore to be classified in Class 8 under UN No. 2922 CORROSIVE LIQUID, TOXIC, N.O.S., packing group I.

2: Examples for the classification of mixtures and solutions under a class and a packing group:

A phenol solution of Class 6.1, (II), in benzene of Class 3, (II) is to be classified in Class 3, (II); this solution is to be classified under UN No. 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., Class 3, (II), by virtue of the toxicity of the phenol.

A solid mixture of sodium arsenate of Class 6.1, (II) and sodium hydroxide of Class 8, (II) is to be classified under UN No. 3290 TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S., in Class 6.1 (II).

A solution of crude or refined naphthalene of Class 4.1, (III) in petrol of Class 3, (II), is to be classified under UN No. 3295 HYDROCARBONS, LIQUID, N.O.S. in Class 3, (II).

A mixture of hydrocarbons of Class 3, (III), and of polychlorinated biphenyls (PCB) of Class 9, (II), is to be classified under UN No. 2315 POLYCHLORINATED BIPHENYLS, LIQUID or UN No. 3432 POLYCHLORINATED BIPHENYLS, SOLID in Class 9, (II).

A mixture of propyleneimine of Class 3, and polychlorinated biphenyls (PCB) of Class 9, (II), is to be classified under UN No. 1921 PROPYLENEIMINE, INHIBITED in Class 3.

2.1.4 Classification of samples

2.1.4.1 When the class of a substance is uncertain and it is being carried for further testing, a tentative class, proper shipping name and UN number shall be assigned on the basis of the consignor's knowledge of the substance and application of:

- (a) the classification criteria of Chapter 2.2; and
- (b) the requirements of this Chapter.

The most severe packing group possible for the proper shipping name chosen shall be used.

Where this provision is used the proper shipping name shall be supplemented with the word "SAMPLE" (e.g., "FLAMMABLE LIQUID, N.O.S., SAMPLE"). In certain instances, where a specific proper shipping name is provided for a sample of a substance considered to meet certain classification criteria (e.g., GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, UN No. 3167) that proper shipping name shall be used. When an N.O.S. entry is used to carry the sample, the proper shipping name need not be supplemented with the technical name as required by special provision 274 of Chapter 3.3.

2.1.4.2 Samples of the substance shall be carried in accordance with the requirements applicable to the tentative assigned proper shipping name provided:

- (a) The substance is not considered to be a substance not accepted for carriage by sub-sections 2.2.x.2 of Chapter 2.2 or by Chapter 3.2;
- (b) The substance is not considered to meet the criteria for Class 1 or considered to be an infectious substance or a radioactive material;
- (c) The substance is in compliance with 2.2.41.1.15 or 2.2.52.1.9 if it is a self-reactive substance or an organic peroxide, respectively;
- (d) The sample is carried in a combination packaging with a net mass per package not exceeding 2.5 kg; and
- (e) The sample is not packed together with other goods.

Chapter 2.2 Class specific provisions

2.2.1 Class 1: Explosive substances and articles

2.2.1.1 Criteria

2.2.1.1.1 The heading of Class 1 covers:

(a) Explosive substances: solid or liquid substances (or mixtures of substances) capable by chemical reaction of producing gases at such a temperature and pressure and at such a speed as to cause damage to the surroundings.

Pyrotechnic substances: substances or mixtures of substances designed to produce an effect by heat, light, sound, gas or smoke or a combination of these as the result of non-detonating self-sustaining exothermic chemical reactions.

NOTE 1: Substances which are not themselves explosive but which may form an explosive mixture of gas, vapour or dust are not substances of Class 1.

2: Also excluded from Class 1 are: water- or alcohol-wetted explosives of which the water or alcohol content exceeds the limits specified and those containing plasticizers – these explosives are assigned to Class 3 or Class 4.1 – and those explosives which, on the basis of their predominant hazard, are assigned to Class 5.2.

(b) Explosive articles: articles containing one or more explosive or pyrotechnic substances.

NOTE: Devices containing explosive or pyrotechnic substances in such small quantity or of such a character that their inadvertent or accidental ignition or initiation during carriage would not cause any manifestation external to the device by projection, fire, smoke, heat or loud noise are not subject to the requirements of Class 1.

(c) Substances and articles not mentioned above which are manufactured with a view to producing a practical effect by explosion or a pyrotechnic effect.

For the purposes of Class 1, the following definition applies:

Phlegmatized means that a substance (or "phlegmatizer") has been added to an explosive to enhance its safety in handling and carriage. The phlegmatizer renders the explosive insensitive, or less sensitive, to the following actions: heat, shock, impact, percussion or friction. Typical phlegmatizing agents include, but are not limited to: wax, paper, water, polymers (such as chlorofluoropolymers), alcohol and oils (such as petroleum jelly and paraffin).

2.2.1.1.2 Any substance or article having or suspected of having explosive properties shall be considered for assignment to Class 1 in accordance with the tests, procedures and criteria prescribed in Part I, Manual of Tests and Criteria.

A substance or article assigned to Class 1 can only be accepted for carriage when it has been assigned to a name or n.o.s. entry listed in Table A of Chapter 3.2 and meets the criteria of the Manual of Tests and Criteria.

2.2.1.1.3 The substances and articles of Class 1 shall be assigned to a UN Number and a name or n.o.s. entry listed in Table A of Chapter 3.2. Interpretation of the names of substances and articles in Table A of Chapter 3.2 shall be based upon the glossary in 2.2.1.4.

Samples of new or existing explosive substances or articles carried for purposes including: testing, classification, research and development quality control, or as a commercial sample, other than initiating explosive, may be assigned to UN No. 0190 SAMPLES, EXPLOSIVE.

The assignment of explosive substances and articles not mentioned by name as such in Table A of Chapter 3.2 to an n.o.s. entry of Class 1 or UN No. 0190 SAMPLES, EXPLOSIVE as well as the assignment of certain substances the carriage of which is subject to a specific authorization by the competent authority according to the special provisions referred to in Column (6) of Table A of Chapter 3.2 shall be made by the competent authority of the country of origin. This competent authority shall also approve in writing the conditions of carriage of these substances and articles. If the country of origin is not an RID Contracting State, the classification and the conditions of carriage shall be recognized by the competent authority of the first RID Contracting State reached by the consignment.

2.2.1.1.4 Substances and articles of Class 1 shall have been assigned to a division in accordance with 2.2.1.1.5 and to a compatibility group in accordance with 2.2.1.1.6. The division shall be based on the results of the tests described in 2.3.0 and 2.3.1 applying the definitions in 2.2.1.1.5. The compatibility group shall be determined in accordance with the definitions in 2.2.1.1.6. The classification code shall consist of the division number and the compatibility group letter.

2.2.1.1.5 Definition of divisions

- Division 1.1 Substances and articles which have a mass explosion hazard (a mass explosion is an explosion which affects almost the entire load virtually instantaneously).
- Division 1.2 Substances and articles which have a projection hazard but not a mass explosion hazard.
- Division 1.3 Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard:
- (a) combustion of which gives rise to considerable radiant heat; or
 - (b) which burn one after another, producing minor blast or projection effects or both.
- Division 1.4 Substances and articles which present only a slight risk of explosion in the event of ignition or initiation during carriage. The effects are largely confined to the package and no projection of fragments of appreciable size or range is to be expected. An external fire shall not cause virtually instantaneous explosion of almost the entire contents of the package.
- Division 1.5 Very insensitive substances having a mass explosion hazard which are so insensitive that there is very little probability of initiation or of transition from burning to detonation under normal conditions of carriage. As a minimum requirement they must not explode in the external fire test.
- Division 1.6 Extremely insensitive articles which do not have a mass explosion hazard. The articles contain only extremely insensitive substances and demonstrate a negligible probability of accidental initiation or propagation.

NOTE: The risk from articles of Division 1.6 is limited to the explosion of a single article.

2.2.1.1.6 Definition of compatibility groups of substances and articles

- A Primary explosive substance.
- B Article containing a primary explosive substance and not having two or more effective protective features. Some articles, such as detonators for blasting, detonator assemblies for blasting and primers, cap-type, are included, even though they do not contain primary explosives.
- C Propellant explosive substance or other deflagrating explosive substance or article containing such explosive substance.
- D Secondary detonating explosive substance or black powder or article containing a secondary detonating explosive substance, in each case without means of initiation and without a propelling charge, or article containing a primary explosive substance and having two or more effective protective features.
- E Article containing a secondary detonating explosive substance, without means of initiation, with a propelling charge (other than one containing a flammable liquid or gel or hypergolic liquids).
- F Article containing a secondary detonating explosive substance with its own means of initiation, with a propelling charge (other than one containing a flammable liquid or gel or hypergolic liquids) or without a propelling charge.
- G Pyrotechnic substance, or article containing a pyrotechnic substance, or article containing both an explosive substance and an illuminating, incendiary, tear- or smoke-producing substance (other than a water-activated article or one which contains white phosphorus, phosphides, a pyrophoric substance, a flammable liquid or gel or hypergolic liquids).
- H Article containing both an explosive substance and white phosphorus.
- J Article containing both an explosive substance and a flammable liquid or gel.
- K Article containing both an explosive substance and a toxic chemical agent.
- L Explosive substance or article containing an explosive substance and presenting a special risk (e.g. due to water activation or the presence of hypergolic liquids, phosphides or a pyrophoric substance) necessitating isolation of each type.
- N Articles containing only extremely insensitive substances.
- S Substance or article so packed or designed that any hazardous effects arising from accidental functioning are confined within the package unless the package has been degraded by fire, in which case all blast or projection effects are limited to the extent that they do not significantly hinder or prevent fire-fighting or other emergency response efforts in the immediate vicinity of the package.

NOTE 1: Each substance or article, packed in a specified packaging, may be assigned to one compatibility group only. Since the criterion of compatibility group S is empirical, assignment to this group is necessarily linked to the tests for assignment of a classification code.

2: Articles of compatibility groups D and E may be fitted or packed together with their own means of initiation, provided that such means have at least two effective protective features designed to prevent an explosion in the event of accidental functioning of the means of initiation. Such articles and packages shall be assigned to compatibility groups D or E.

3: Articles of compatibility groups D and E may be packed together with their own means of initiation, which do not have two effective protective features (i.e. means of initiation assigned to compatibility group B), provided that they comply with mixed packing provision MP 21 of Section 4.1.10. Such packages shall be assigned to compatibility groups D or E.

- 4: Articles may be fitted or packed together with their own means of ignition, provided that the means of ignition cannot function during normal conditions of carriage.
- 5: Articles of compatibility groups C, D and E may be packed together. Such packages shall be assigned to compatibility group E.

2.2.1.1.7 Assignment of fireworks to divisions

2.2.1.1.7.1 Fireworks shall normally be assigned to divisions 1.1, 1.2, 1.3 and 1.4 on the basis of test data derived from Test Series 6 of the Manual of Tests and Criteria. However, since the range of such articles is very extensive and the availability of test facilities may be limited, assignment to divisions may also be made in accordance with the procedure in 2.2.1.1.7.2.

2.2.1.1.7.2 Assignment of fireworks to UN No. 0333, 0334, 0335 or 0336 may be made on the basis of analogy, without the need for Test Series 6 testing, in accordance with the default fireworks classification table in 2.2.1.1.7.5. Such assignment shall be made with the agreement of the competent authority. Items not specified in the table shall be classified on the basis of test data derived from Test Series 6.

NOTE 1: The addition of other types of fireworks to column 1 of the table in 2.2.1.1.7.5 shall only be made on the basis of full test data submitted to the UN Sub-Committee of Experts on the Transport of Dangerous Goods for consideration.

2: Test data derived by competent authorities which validates, or contradicts the assignment of fireworks specified in column 4 of the table in 2.2.1.1.7.5 to divisions in column 5 should be submitted to the UN Sub-Committee of Experts on the Transport of Dangerous Goods for information.

2.2.1.1.7.3 Where fireworks of more than one division are packed in the same package they shall be classified on the basis of the most dangerous division unless test data derived from Test Series 6 indicate otherwise.

2.2.1.1.7.4 The classification shown in the Table in 2.2.1.1.7.5 applies only for articles packed in fibreboard boxes (4G).

2.2.1.1.7.5 Default fireworks classification Table²

NOTE 1: References to percentages in the Table, unless otherwise stated, are to the mass of all pyrotechnic substances (e.g. rocket motors, lifting charge, bursting charge and effect charge).

2: "Flash composition" in this table refers to pyrotechnic substances in powder form or as pyrotechnic units as presented in the fireworks, that are used to produce an aural effect, or used as a bursting charge or lifting charge, unless the time taken for the pressure rise is demonstrated to be more than 8 ms for 0.5 g of pyrotechnic substance in the HSL Flash Composition Test in Appendix 7 of the Manual of Tests and Criteria.

3: Dimensions in mm refer to:

- for spherical and peanut shells the diameter of the sphere of the shell;
- for cylinder shells the length of the shell;
- for a shell in mortar, Roman candle, shot tube firework or mine the inside diameter of the tube comprising or containing the firework;
- for a bag mine or cylinder mine, the inside diameter of the mortar intended to contain the mine.

Type	Includes: / Synonym:	Definition	Specification	Classification
Shell, spherical or cylindrical	Spherical display shell: aerial shell, colour shell, dye shell, multi-break shell, multi-effect shell, nautical shell, parachute shell, smoke shell, star shell; report shell: maroon, salute, sound shell, thunder-clap, aerial shell kit	Device with or without propellant charge, with delay fuse and bursting charge, pyrotechnic unit(s) or loose pyrotechnic substance and designed to be projected from a mortar	All report shells	1.1G
			Colour shell: ≥ 180 mm	1.1G
			Colour shell: < 180 mm with $> 25\%$ flash composition, as loose powder and/ or report effects	1.1G
			Colour shell: < 180 mm with $\leq 25\%$ flash composition, as loose powder and/ or report effects	1.3G

² This Table contains a list of firework classifications which may be used in the absence of Test Series 6 data (see 2.2.1.1.7.2).

Type	Includes: / Synonym:	Definition	Specification	Classification
			Colour shell: ≤ 50 mm, or ≤ 60 g pyrotechnic substance, with $\leq 2\%$ flash composition as loose powder and/ or report effects	1.4G
	Peanut shell	Device with two or more spherical aerial shells in a common wrapper propelled by the same propellant charge with separate external delay fuses	The most hazardous spherical aerial shell determines the classification	
	Preloaded mortar, shell in mortar	Assembly comprising a spherical or cylindrical shell inside a mortar from which the shell is designed to be projected	All report shells	1.1G
			Colour shell: ≥ 180 mm	1.1G
			Colour shell: $> 25\%$ flash composition as loose powder and/or report effects	1.1G
			Colour shell: > 50 mm and < 180 mm	1.2G
			Colour shell: ≤ 50 mm, or ≤ 60 g pyrotechnic substance, with $\leq 25\%$ flash composition as loose powder and/ or report effects	1.3G
	Shell of shells (spherical) (Reference to percentages for shell of shells are to the gross mass of the fireworks article)	Device without propellant charge, with delay fuse and bursting charge, containing report shells and inert materials and designed to be projected from a mortar	> 120 mm	1.1G
		Device without propellant charge, with delay fuse and bursting charge, containing report shells ≤ 25 g flash composition per report unit, with $\leq 33\%$ flash composition and $\geq 60\%$ inert materials and designed to be projected from a mortar	≤ 120 mm	1.3G
		Device without propellant charge, with delay fuse and bursting charge, containing colour shells and/or pyrotechnic units and designed to be projected from a mortar	> 300 mm	1.1G
		Device without propellant charge, with delay fuse and bursting charge, containing colour shells ≤ 70 mm and/or pyrotechnic units, with $\leq 25\%$ flash composition and $\leq 60\%$ pyrotechnic substance and designed to be projected from a mortar	> 200 mm and ≤ 300 mm	1.3G
		Device with propellant charge, with delay fuse and bursting charge, containing colour shells ≤ 70 mm and/or pyrotechnic units, with $\leq 25\%$ flash composition and $\leq 60\%$ pyrotechnic substance and designed to be projected from a mortar	≤ 200 mm	1.3G

Type	Includes: / Synonym:	Definition	Specification	Classification
Battery/combination	Barrage, bombardos, cakes, finale box, flowerbed, hybrid, multiple tubes, shell cakes, banger batteries, flash banger batteries	Assembly including several elements either containing the same type or several types each corresponding to one of the types of fireworks listed in this table, with one or two points of ignition	The most hazardous firework type determines the classification	
Roman candle	Exhibition candle, candle, bombettes	Tube containing a series of pyrotechnic units consisting of alternate pyrotechnic substance, propellant charge, and transmitting fuse	≥ 50 mm inner diameter, containing flash composition, or < 50 mm with >25% flash composition	1.1G
			≥ 50 mm inner diameter, containing no flash composition	1.2G
			< 50 mm inner diameter and ≤ 25% flash composition	1.3G
			≤ 30 mm inner diameter, each pyrotechnic unit ≤ 25 g and ≤ 5% flash composition	1.4G
Shot tube	Single shot Roman candle, small pre-loaded mortar	Tube containing a pyrotechnic unit consisting of pyrotechnic substance, propellant charge with or without transmitting fuse	≤ 30 mm inner diameter and pyrotechnic unit > 25 g, or > 5% and ≤ 25% flash composition	1.3G
			≤ 30 mm inner diameter, pyrotechnic unit ≤ 25 g and ≤ 5% flash composition	1.4G
Rocket	Avalanche rocket, signal rocket, whistling rocket, bottle rocket, sky rocket, missile type rocket, table rocket	Tube containing pyrotechnic substance and/or pyrotechnic units, equipped with stick(s) or other means for stabilization of flight, and designed to be propelled into the air	Flash composition effects only	1.1G
			Flash composition > 25% of the pyrotechnic substance	1.1G
			> 20 g pyrotechnic substance and flash composition ≤ 25%	1.3G
			≤ 20 g pyrotechnic substance, black powder bursting charge and ≤ 0.13 g flash composition per report and ≤ 1 g in total	1.4G
Mine	Pot-a-feu, ground mine, bag mine, cylinder mine	Tube containing propellant charge and pyrotechnic units and designed to be placed on the ground or to be fixed in the ground. The principal effect is ejection of all the pyrotechnic units in a single burst producing a widely dispersed visual and/or aural effect in the air or: Cloth or paper bag or cloth or paper cylinder containing propellant charge and pyrotechnic units, designed to be placed in a mortar and to function as a mine	> 25% flash composition, as loose powder and/ or report effects	1.1G
			≥ 180 mm and ≤ 25% flash composition, as loose powder and/ or report effects	1.1G
			< 180 mm and ≤ 25% flash composition, as loose powder and/ or report effects	1.3G
			≤ 150 g pyrotechnic substance, containing ≤ 5% flash composition as loose powder and/ or report effects. Each pyrotechnic unit ≤ 25 g, each report effect < 2 g, each whistle, if any, ≤ 3 g	1.4G

Type	Includes: / Synonym:	Definition	Specification	Classification
Fountain	Volcanos, gerbs, showers, lances, Bengal fire, flitter sparkle, cylindrical fountains, cone fountains, illuminating torch	Non-metallic case containing pressed or consolidated pyrotechnic substance producing sparks and flame	≥ 1 kg pyrotechnic substance	1.3G
			< 1 kg pyrotechnic substance	1.4G
Sparkler	Handheld sparklers, non-handheld sparklers, wire sparklers	Rigid wire partially coated (along one end) with slow burning pyrotechnic substance with or without an ignition tip	Perchlorate based sparklers: > 5 g per item or > 10 items per pack	1.3G
			Perchlorate based sparklers: ≤ 5 g per item and ≤ 10 items per pack; Nitrate based sparklers: ≤ 30 g per item	1.4G
Bengal stick	Dipped stick	Non-metallic stick partially coated (along one end) with slow-burning pyrotechnic substance and designed to be held in the hand	Perchlorate based items: > 5 g per item or > 10 items per pack	1.3G
			Perchlorate based items: ≤ 5 g per item and ≤ 10 items per pack; Nitrate based items: ≤ 30 g per item	1.4G
Low hazard fire-works and novelties	Table bombs, throw-downs, crackling granules, smokes, fog, snakes, glow worm, serpents, snaps, party poppers	Device designed to produce very limited visible and/ or audible effect which contains small amounts of pyrotechnic substance and/or explosive composition.	Throwdowns and snaps may contain up to 1.6 mg of silver fulminate; snaps and party poppers may contain up to 16 mg of potassium chlorate/ red phosphorous mixture; other articles may contain up to 5 g of pyrotechnic substance, but no flash composition	1.4G
Spinner	Aerial spinner, helicopter, chaser, ground spinner	Non-metallic tube or tubes containing gas- or spark-producing pyrotechnic substance, with or without noise producing composition, with or without aero-foils attached	Pyrotechnic substance per item > 20 g, containing $\leq 3\%$ flash composition as report effects, or whistle composition ≤ 5 g	1.3G
			Pyrotechnic substance per item ≤ 20 g, containing $\leq 3\%$ flash composition as report effects, or whistle composition ≤ 5 g	1.4G
Wheels	Catherine wheels, Saxon	Assembly including drivers containing pyrotechnic substance and provided with a means of attaching it to a support so that it can rotate	≥ 1 kg total pyrotechnic substance, no report effect, each whistle (if any) ≤ 25 g and ≤ 50 g whistle composition per wheel	1.3G
			< 1 kg total pyrotechnic substance, no report effect, each whistle (if any) ≤ 5 g and ≤ 10 g whistle composition per wheel	1.4G

Type	Includes: / Synonym:	Definition	Specification	Classification
Aerial wheel	Flying Saxon, UFO's, rising crown	Tubes containing propellant charges and sparks-flame- and/ or noise producing pyrotechnic substances, the tubes being fixed to a supporting ring	> 200 g total pyrotechnic substance or > 60 g pyrotechnic substance per driver, ≤ 3% flash composition as report effects, each whistle (if any) ≤ 25 g and ≤ 50 g whistle composition per wheel	1.3G
			≤ 200 g total pyrotechnic substance and ≤ 60 g pyrotechnic substance per driver, ≤ 3% flash composition as report effects, each whistle (if any) ≤ 5 g and ≤ 10 g whistle composition per wheel	1.4G
Selection pack	Display selection box, display selection pack, garden selection box, indoor selection box; assortment	A pack of more than one type each corresponding to one of the types of fireworks listed in this table	The most hazardous firework type determines the classification	
Firecracker	Celebration cracker, celebration roll, string cracker	Assembly of tubes (paper or cardboard) linked by a pyrotechnic fuse, each tube intended to produce an aural effect	Each tube ≤ 140 mg of flash composition or ≤ 1 g black powder	1.4G
Banger	Salute, flash banger, lady cracker	Non-metallic tube containing report composition intended to produce an aural effect	> 2 g flash composition per item	1.1G
			≤ 2 g flash composition per item and ≤ 10 g per inner packaging	1.3G
			≤ 1 g flash composition per item and ≤ 10 g per inner packaging or ≤ 10 g black powder per item	1.4G

2.2.1.1.8 Exclusion from Class 1

2.2.1.1.8.1 An article or a substance may be excluded from Class 1 by virtue of test results and the Class 1 definition with the approval of the competent authority of any RID Contracting State who may also recognize an approval granted by the competent authority of a country which is not an RID Contracting State provided that this approval has been granted in accordance with the procedures applicable according to RID, ADR, ADN, the IMDG Code or the ICAO Technical Instructions.

2.2.1.1.8.2 With the approval of the competent authority in accordance with 2.2.1.1.8.1, an article may be excluded from Class 1 when three unpackaged articles, each individually activated by its own means of initiation or ignition or external means to function in the designed mode, meet the following test criteria:

- (a) No external surface shall have a temperature of more than 65 °C. A momentary spike in temperature up to 200 °C is acceptable;
- (b) No rupture or fragmentation of the external casing or movement of the article or detached parts thereof of more than one metre in any direction;

NOTE: Where the integrity of the article may be affected in the event of an external fire these criteria shall be examined by a fire test, such as described in ISO 12097-3.

- (c) No audible report exceeding 135 dB(C) peak at a distance of one metre;
- (d) No flash or flame capable of igniting a material such as a sheet of 80 ± 10 g/m² paper in contact with the article; and
- (e) No production of smoke, fumes or dust in such quantities that the visibility in a one cubic metre chamber equipped with appropriately sized blow out panels is reduced more than 50% as measured by a calibrated light (lux) meter or radiometer located one metre from a constant light source located at the midpoint on opposite walls. The general guidance on Optical Density Testing in ISO 5659-1 and the general guidance on the Photometric System described in Section 7.5 in ISO 5659-2 may be used or similar optical density measurement methods designed to accomplish the same purpose may also be

employed. A suitable hood cover surrounding the back and sides of the light meter shall be used to minimize effects of scattered or leaking light not emitted directly from the source.

NOTE 1: If during the tests addressing criteria (a), (b), (c) and (d) no or very little smoke is observed the test described in (e) may be waived.

2: The competent authority referred to in 2.2.1.1.8.1 may require testing in packaged form if it is determined that, as packaged for carriage, the article may pose a greater risk.

2.2.1.2 Substances and articles not accepted for carriage

2.2.1.2.1 Explosive substances which are unduly sensitive according to the criteria of the Manual of Tests and Criteria, Part I, or are liable to spontaneous reaction, as well as explosive substances and articles which cannot be assigned to a name or n.o.s. entry listed in Table A of Chapter 3.2, shall not be accepted for carriage.

2.2.1.2.2 Substances of compatibility group A shall not be accepted for carriage by rail (1.1 A, UN Nos. 0074, 0113, 0114, 0129, 0130, 0135, 0224 and 0473).

Articles of compatibility group K shall not be accepted for carriage (1.2 K, UN No. 0020 and 1.3 K, UN No. 0021).

2.2.1.3 List of collective entries

Classification code (see 2.2.1.1.4)	UN No.	Name of the substance or article
1.1 A	0473	SUBSTANCES, EXPLOSIVE, N.O.S. (not accepted for carriage by rail, see 2.2.1.2.2)
1.1 B	0461	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.
1.1 C	0474	SUBSTANCES, EXPLOSIVE, N.O.S.
	0497	PROPELLANT, LIQUID
	0498	PROPELLANT, SOLID
	0462	ARTICLES, EXPLOSIVE, N.O.S.
1.1 D	0475	SUBSTANCES, EXPLOSIVE, N.O.S.
	0463	ARTICLES, EXPLOSIVE, N.O.S.
1.1 E	0464	ARTICLES, EXPLOSIVE, N.O.S.
1.1 F	0465	ARTICLES, EXPLOSIVE, N.O.S.
1.1 G	0476	SUBSTANCES, EXPLOSIVE, N.O.S.
1.1 L	0357	SUBSTANCES, EXPLOSIVE, N.O.S.
	0354	ARTICLES, EXPLOSIVE, N.O.S.
1.2 B	0382	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.
1.2 C	0466	ARTICLES, EXPLOSIVE, N.O.S.
1.2 D	0467	ARTICLES, EXPLOSIVE, N.O.S.
1.2 E	0468	ARTICLES, EXPLOSIVE, N.O.S.
1.2 F	0469	ARTICLES, EXPLOSIVE, N.O.S.
1.2 L	0358	SUBSTANCES, EXPLOSIVE, N.O.S.
	0248	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge
	0355	ARTICLES, EXPLOSIVE, N.O.S.
1.3 C	0132	DEFLAGRATING METAL SALTS OF AROMATIC NITRO-DERIVATIVES, N.O.S.
	0477	SUBSTANCES, EXPLOSIVE, N.O.S.
	0495	PROPELLANT, LIQUID
	0499	PROPELLANT, SOLID
	0470	ARTICLES, EXPLOSIVE, N.O.S.
1.3 G	0478	SUBSTANCES, EXPLOSIVE, N.O.S.
1.3 L	0359	SUBSTANCES, EXPLOSIVE, N.O.S.
	0249	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge
	0356	ARTICLES, EXPLOSIVE, N.O.S.
1.4 B	0350	ARTICLES, EXPLOSIVE, N.O.S.
	0383	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.
1.4 C	0479	SUBSTANCES, EXPLOSIVE, N.O.S.
	0501	PROPELLANT, SOLID
	0351	ARTICLES, EXPLOSIVE, N.O.S.
1.4 D	0480	SUBSTANCES, EXPLOSIVE, N.O.S.
	0352	ARTICLES, EXPLOSIVE, N.O.S.
1.4 E	0471	ARTICLES, EXPLOSIVE, N.O.S.
1.4 F	0472	ARTICLES, EXPLOSIVE, N.O.S.
1.4 G	0485	SUBSTANCES, EXPLOSIVE, N.O.S.
	0353	ARTICLES, EXPLOSIVE, N.O.S.

Classification code (see 2.2.1.1.4)	UN No.	Name of the substance or article
1.4 S	0481 0349 0384	SUBSTANCES, EXPLOSIVE, N.O.S. ARTICLES, EXPLOSIVE, N.O.S. COMPONENTS, EXPLOSIVE TRAIN, N.O.S.
1.5 D	0482	SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE (SUBSTANCES, EVI) N.O.S.
1.6 N	0486 0190	ARTICLES, EXPLOSIVE, EXTREMELY INSENSITIVE (ARTICLES, EEI) SAMPLES, EXPLOSIVE other than initiating explosive
NOTE: Division and compatibility group shall be defined as directed by the competent authority and according to the principles in 2.2.1.1.4.		

2.2.1.4**Glossary of names**

NOTE 1: The descriptions in the glossary are not intended to replace the test procedures, nor to determine the hazard classification of a substance or article of Class 1. Assignment to the correct division and a decision on whether compatibility group S is appropriate shall be based on testing of the product in accordance with the Manual of Tests and Criteria, Part I or by analogy with similar products which have already been tested and assigned in accordance with the procedures of the Manual of Tests and Criteria.

2: The figures given after the names refer to the relevant UN numbers (Column 1 of Table A of Chapter 3.2). For the classification code, see 2.2.1.1.4.

AIR BAG INFLATORS or AIR BAG MODULES or SEAT-BELT PRETENSIONERS: UN No. 0503

Articles which contain pyrotechnic substances and are used as life-saving vehicle airbags or seat-belts.

AMMUNITION, ILLUMINATING, with or without burster, expelling charge or propelling charge: UN Nos. 0171, 0254, 0297

Ammunition designed to produce a single source of intense light for lighting up an area. The term includes illuminating cartridges, grenades and projectiles; and illuminating and target identification bombs.

NOTE: The following articles: CARTRIDGES, SIGNAL; SIGNAL DEVICES HAND; SIGNALS, DISTRESS; FLARES, AERIAL; FLARES, SURFACE are not included in this definition. They are listed separately.

AMMUNITION, INCENDIARY, liquid or gel, with burster, expelling charge or propelling charge: UN No. 0247

Ammunition containing liquid or gelatinous incendiary substance. Except when the incendiary substance is an explosive per se, it also contains one or more of the following: a propelling charge with primer and igniter charge; a fuze with burster or expelling charge.

AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge: UN Nos. 0243, 0244

Ammunition containing white phosphorus as incendiary substance. It also contains one or more of the following: a propelling charge with primer and igniter charge; a fuze with burster or expelling charge.

AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge: UN Nos. 0009, 0010, 0300

Ammunition containing incendiary composition. Except when the composition is an explosive per se, it also contains one or more of the following: a propelling charge with primer and igniter charge; a fuze with burster or expelling charge.

AMMUNITION, PRACTICE: UN Nos. 0362, 0488

Ammunition without a main bursting charge, containing a burster or expelling charge. Normally it also contains a fuze and a propelling charge.

NOTE: GRENADES, PRACTICE are not included in this definition. They are listed separately.

AMMUNITION, PROOF: UN No. 0363

Ammunition containing pyrotechnic substances, used to test the performance or strength of new ammunition, weapon components or assemblies.

AMMUNITION, SMOKE, WHITE PHOSPHORUS, with burster, expelling charge or propelling charge: UN Nos. 0245, 0246

Ammunition containing white phosphorus as a smoke-producing substance. It also contains one or more of the following: a propelling charge with primer and igniter charge; a fuze with burster or expelling charge. The term includes grenades, smoke.

AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge: UN Nos. 0015, 0016, 0303

Ammunition containing a smoke-producing substance such as chlorosulphonic acid mixture or titanium tetrachloride; or a smoke-producing pyrotechnic composition based on hexachloroethane or red phosphorus. Except when the substance is an explosive per se, the ammunition also contains one or more of the following: a propelling charge with primer and igniter charge; a fuze with burster or expelling charge. The term includes grenades, smoke.

NOTE: SIGNALS, SMOKE are not included in this definition. They are listed separately.

AMMUNITION, TEAR-PRODUCING, with burster, expelling charge or propelling charge: UN Nos. 0018, 0019, 0301

Ammunition containing a tear-producing substance. It also contains one or more of the following: a pyrotechnic substance; a propelling charge with primer and igniter charge; a fuze with burster or expelling charge.

ARTICLES, EXPLOSIVE, EXTREMELY INSENSITIVE (ARTICLES EEI): UN No. 0486

Articles containing only extremely insensitive substances which demonstrate a negligible probability of accidental initiation or propagation under normal conditions of transport, and which have passed Test Series 7.

ARTICLES, PYROPHORIC: UN No. 0380

Articles which contain a pyrophoric substance (capable of spontaneous ignition when exposed to air) and an explosive substance or component. The term excludes articles containing white phosphorus.

ARTICLES, PYROTECHNIC, for technical purposes: UN Nos. 0428, 0429, 0430, 0431, 0432

Articles which contain pyrotechnic substances and are used for technical purposes such as heat generation, gas generation, theatrical effects, etc.

NOTE: The following articles: all ammunition; CARTRIDGES, SIGNAL; CUTTERS, CABLE, EXPLOSIVE; FIREWORKS; FLARES, AERIAL; FLARES, SURFACE; RELEASE DEVICES, EXPLOSIVE; RIVETS, EXPLOSIVE; SIGNAL DEVICES, HAND; SIGNALS, DISTRESS; SIGNALS, RAILWAY TRACK, EXPLOSIVES; SIGNALS, SMOKE are not included in this definition. They are listed separately.

BLACK POWDER (GUNPOWDER), COMPRESSED or BLACK POWDER (GUNPOWDER), IN PELLETS: UN No. 0028

Substance consisting of a pelletized form of black powder.

BLACK POWDER (GUNPOWDER), granular or as meal: UN No. 0027

Substance consisting of an intimate mixture of charcoal or other carbon and either potassium nitrate or sodium nitrate, with or without sulphur.

BOMBS, WITH FLAMMABLE LIQUID, with bursting charge: UN Nos. 0399, 0400

Articles which are dropped from aircraft, consisting of a tank filled with inflammable liquid and bursting charge.

BOMBS, PHOTO-FLASH: UN No. 0038

Explosive articles which are dropped from aircraft to provide brief, intense illumination for photography. They contain a charge of detonating explosive without means of initiation or with means of initiation containing two or more effective protective features.

BOMBS, PHOTO-FLASH: UN No. 0037

Explosive articles which are dropped from aircraft to provide brief, intense illumination for photography. They contain a charge of detonating explosive with means of initiation not containing two or more effective protective features.

BOMBS, PHOTO-FLASH: UN Nos. 0039, 0299

Explosive articles which are dropped from aircraft to provide brief, intense illumination for photography. They contain a photo-flash composition.

BOMBS with bursting charge: UN Nos. 0034; 0035

Explosive articles which are dropped from aircraft, without means of initiation or with means of initiation containing two or more effective protective features.

BOMBS with bursting charge: UN Nos. 0033, 0291

Explosive articles which are dropped from aircraft, with means of initiation not containing two or more effective protective features.

BOOSTERS WITH DETONATOR: UN Nos. 0225, 0268

Articles consisting of a charge of detonating explosive with means of initiation. They are used to increase the initiating power of detonators or detonating cord.

BOOSTERS without detonator: UN Nos. 0042, 0283

Articles consisting of a charge of detonating explosive without means of initiation. They are used to increase the initiating power of detonators or detonating cord.

BURSTERS, explosive: UN No. 0043

Articles consisting of a small charge of explosive used to open projectiles or other ammunition in order to disperse their contents.

CARTRIDGES, FLASH: UN Nos. 0049, 0050

Articles consisting of a casing, a primer and flash powder, all assembled in one piece ready for firing.

CARTRIDGES FOR TOOLS, BLANK: UN No. 0014

Article, used in tools, consisting of a closed cartridge case with a centre or rim fire primer with or without a charge of smokeless or black powder but with no projectile.

CARTRIDGES FOR WEAPONS, BLANK: UN Nos. 0326, 0413, 0327, 0338, 0014

Ammunition consisting of a closed cartridge case with a centre or rim fire primer and a charge of smokeless or black powder but no projectile. It produces a loud noise and is used for training, saluting, propelling charge, starter pistols, etc. The term includes ammunition, blank.

CARTRIDGES FOR WEAPONS, INERT PROJECTILE: UN Nos. 0328, 0417, 0339, 0012

Ammunition consisting of a projectile without bursting charge but with a propelling charge with or without a primer. The articles may include a tracer, provided that the predominant hazard is that of the propelling charge.

CARTRIDGES FOR WEAPONS with bursting charge: UN Nos. 0006, 0321, 0412

Ammunition consisting of a projectile with a bursting charge without means of initiation or with means of initiation containing two or more effective protective features; and a propelling charge with or without a primer. The term includes fixed (assembled) ammunition, semi-fixed (partially assembled) ammunition and separate loading ammunition when the components are packed together.

CARTRIDGES FOR WEAPONS with bursting charge: UN Nos. 0005, 0007, 0348

Ammunition consisting of a projectile with a bursting charge with means of initiation not containing two or more effective protective features; and a propelling charge with or without a primer. The term includes fixed (assembled) ammunition, semi-fixed (partially assembled) ammunition and separate loading ammunition when the components are packed together.

CARTRIDGES, OIL WELL: UN Nos. 0277, 0278

Articles consisting of a thin casing of fibreboard, metal or other material containing only propellant powder which projects a hardened projectile to perforate an oil well casing.

NOTE: CHARGES, SHAPED are not included in this definition. They are listed separately.

CARTRIDGES, POWER DEVICE: UN Nos. 0275, 0276, 0323, 0381

Articles designed to accomplish mechanical actions. They consist of a casing with a charge of deflagrating explosive and a means of ignition. The gaseous products of the deflagration produce inflation, linear or rotary motion or activate diaphragms, valves or switches or project fastening devices or extinguishing agents.

CARTRIDGES, SIGNAL: UN Nos. 0054, 0312, 0405

Articles designed to fire coloured flares or other signals from signal pistols, etc.

CARTRIDGES, SMALL ARMS: UN Nos. 0417, 0339, 0012

Ammunition consisting of a cartridge case fitted with a centre or rim fire primer and containing both a propelling charge and solid projectile. They are designed to be fired in weapons of calibre not larger than 19.1 mm. Shot-gun cartridges of any calibre are included in this description.

NOTE: CARTRIDGES, SMALL ARMS, BLANK, are not included in this definition. They are listed separately. Some military small arms cartridges are not included in this definition. They are listed under CARTRIDGES FOR WEAPONS, INERT PROJECTILE.

CARTRIDGES, SMALL ARMS, BLANK: UN Nos. 0014, 0327, 0338

Ammunition consisting of a closed cartridge case with a centre or rim fire primer and a charge of smokeless or black powder. The cartridge cases contain no projectiles. The cartridges are designed to be fired from weapons with a calibre of at most 19.1 mm and serve to produce a loud noise and are used for training, saluting, propelling charge, starter pistols, etc.

CASES, CARTRIDGE, EMPTY, WITH PRIMER: UN Nos. 0379; 0055

Articles consisting of a cartridge case made from metal, plastics or other non-inflammable material, in which the only explosive component is the primer.

CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER: UN Nos. 0447, 0446

Articles consisting of a cartridge case made partly or entirely from nitrocellulose.

CHARGES, BURSTING, PLASTICS BONDED: UN Nos. 0457, 0458, 0459, 0460

Articles consisting of a charge of detonating explosive, plastics bonded, manufactured in a specific form without a casing and without means of initiation. They are designed as components of ammunition such as warheads.

CHARGES, DEMOLITION: UN No. 0048

Articles containing a charge of a detonating explosive in a casing of fibreboard, plastics, metal or other material. The articles are without means of initiation or with means of initiation containing two or more effective protective features.

NOTE: The following articles: BOMBS; MINES; PROJECTILES are not included in this definition. They are listed separately.

CHARGES, DEPTH: UN No. 0056

Articles consisting of a charge of detonating explosive contained in a drum or projectile without means of initiation or with means of initiation containing two or more effective protective features. They are designed to detonate under water.

CHARGES, EXPLOSIVE, COMMERCIAL without detonator: UN Nos. 0442, 0443, 0444, 0445

Articles consisting of a charge of detonating explosive without means of initiation, used for explosive welding, jointing, forming and other metallurgical processes.

CHARGES, PROPELLING, FOR CANNON: UN Nos. 0242, 0279, 0414

Charges of propellant in any physical form for separate-loading ammunition for cannon.

CHARGES, PROPELLING: UN Nos. 0271, 0272, 0415, 0491

Articles consisting of a charge of a propellant charge in any physical form, with or without a casing, as a component of rocket motors or for reducing the drag of projectiles.

CHARGES, SHAPED, without detonator: UN Nos. 0059, 0439, 0440, 0441

Articles consisting of a casing containing a charge of detonating explosive with a cavity lined with rigid material, without means of initiation. They are designed to produce a powerful, penetrating jet effect.

CHARGES, SHAPED, FLEXIBLE, LINEAR: UN Nos. 0237, 0288

Articles consisting of a V-shaped core of a detonating explosive clad by a flexible sheath.

CHARGES, SUPPLEMENTARY, EXPLOSIVE: UN No. 0060

Articles consisting of a small removable booster placed in the cavity of a projectile between the fuze and the bursting charge.

COMPONENTS, EXPLOSIVE TRAIN, N.O.S.: UN Nos. 0382, 0383, 0384, 0461

Articles containing an explosive designed to transmit detonation or deflagration within an explosive train.

CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge: UN Nos. 0248, 0249

Articles whose functioning depends upon physico-chemical reaction of their contents with water.

CORD, DETONATING, flexible: UN Nos. 0065, 0289

Article consisting of a core of detonating explosive enclosed in spun fabric and a plastics or other covering. The covering is not necessary if the spun fabric is sift-proof.

CORD (FUSE) DETONATING, metal clad: UN Nos. 0102, 0290

Article consisting of a core of detonating explosive clad by a soft metal tube with or without protective covering.

CORD (FUSE) DETONATING, MILD EFFECT, metal clad: UN No. 0104

Article consisting of a core of detonating explosive clad by a soft metal tube with or without a protective covering. The quantity of explosive substance is so small that only a mild effect is manifested outside the cord.

CORD, IGNITER: UN No. 0066

Article consisting of textile yarns covered with black powder or another fast burning pyrotechnic composition and of a flexible protective covering; or it consists of a core of black powder surrounded by a flexible woven fabric. It burns progressively along its length with an external flame and is used to transmit ignition from a device to a charge or primer.

CUTTERS, CABLE, EXPLOSIVE: UN No. 0070

Articles consisting of a knife-edged device which is driven by a small charge of deflagrating explosive into an anvil.

DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting: UN Nos. 0360, 0361, 0500

Non-electric detonators assembled with and activated by such means as safety fuse, shock tube, flash tube or detonating cord. They may be of instantaneous design or incorporate delay elements. Detonating relays incorporating detonating cord are included.

DETONATORS, ELECTRIC for blasting: UN Nos. 0030, 0255, 0456

Articles specially designed for the initiation of blasting explosives. These detonators may be constructed to detonate instantaneously or may contain a delay element. Electric detonators are activated by an electric current.

DETONATORS FOR AMMUNITION: UN Nos. 0073, 0364, 0365, 0366

Articles consisting of a small metal or plastics tube containing explosives such as lead azide, PETN or combinations of explosives. They are designed to start a detonation train.

DETONATORS, NON-ELECTRIC for blasting: UN Nos. 0029, 0267, 0455

Articles specially designed for the initiation of blasting explosives. These detonators may be constructed to detonate instantaneously or may contain a delay element. Non-electric detonators are activated by such means as shock tube, flash tube, safety fuse, other igniferous device or flexible detonating cord. Detonating relays without detonating cord are included.

EXPLOSIVE, BLASTING, TYPE A: UN No. 0081

Substances consisting of liquid organic nitrates such as nitroglycerine or a mixture of such ingredients with one or more of the following: nitrocellulose; ammonium nitrate or other inorganic nitrates; aromatic nitro-derivatives, or combustible materials, such as wood-meal and aluminium powder. They may contain inert components such as kieselguhr, and additives such as colouring agents and stabilizers. Such explosives shall be in powdery, gelatinous or elastic form. The term includes dynamite; gelatine, blasting and gelatine dynamites.

EXPLOSIVE, BLASTING, TYPE B: UN Nos. 0082, 0331

Substances consisting of

- (a) a mixture of ammonium nitrate or other inorganic nitrates with an explosive such as trinitrotoluene, with or without other substances such as wood-meal and aluminium powder; or
- (b) a mixture of ammonium nitrate or other inorganic nitrates with other combustible substances which are not explosive ingredients. In both cases they may contain inert components such as kieselguhr, and additives such as colouring agents and stabilizers. Such explosives must not contain nitroglycerine, similar liquid organic nitrates or chlorates.

EXPLOSIVE, BLASTING, TYPE C: UN No. 0083

Substances consisting of a mixture of either potassium or sodium chlorate or potassium, sodium or ammonium perchlorate with organic nitro-derivatives or combustible materials such as wood-meal or aluminium powder or a hydrocarbon. They may contain inert components such as kieselguhr and additives such as colouring agents and stabilizers. Such explosives must not contain nitroglycerine or similar liquid organic nitrates.

EXPLOSIVE, BLASTING, TYPE D: UN No. 0084

Substances consisting of a mixture of organic nitrated compounds and combustible materials such as hydrocarbons and aluminium powder. They may contain inert components such as kieselguhr and additives such as colouring agents and stabilizers. Such explosives must not contain nitroglycerine, similar liquid organic nitrates, chlorates and ammonium nitrate. The term generally includes plastic explosives.

EXPLOSIVES, BLASTING, TYPE E: UN Nos. 0241, 0332

Substances consisting of water as an essential ingredient and high proportions of ammonium nitrate or other oxidizers, some or all of which are in solution. The other constituents may include nitro-derivatives such as trinitrotoluene, hydrocarbons or aluminium powder. They may contain inert components such as kieselguhr and additives such as colouring agents and stabilizers. The term includes explosives, emulsion, explosives, slurry and explosives, watergel.

FIREWORKS: UN Nos. 0333, 0334, 0335, 0336, 0337

Pyrotechnic articles designed for entertainment.

FLARES, AERIAL: UN Nos. 0093, 0403, 0404, 0420, 0421;

Articles containing pyrotechnic substances which are designed to be dropped from an aircraft to illuminate, identify, signal or warn.

FLARES, SURFACE: UN Nos. 0092, 0418, 0419

Articles containing pyrotechnic substances which are designed for use on the surface to illuminate, identify, signal or warn.

FLASH POWDER: UN Nos. 0094, 0305

Pyrotechnic substance which, when ignited, produces an intense light.

FRACTURING DEVICES, EXPLOSIVE without detonator, for oil wells: UN No. 0099

Articles consisting of a charge of detonating explosive contained in a casing without means of initiation. They are used to fracture the rock around a drill shaft to assist the flow of crude oil from the rock.

FUSE, IGNITER, tubular, metal clad: UN No. 0103

Article consisting of a metal tube with a core of deflagrating explosive.

FUSE, NON-DETONATING: UN No. 0101

Article consisting of cotton yarns impregnated with fine black powder (quickmatch). It burns with an external flame and is used in ignition trains for fireworks, etc.

FUSE, SAFETY: UN No. 0105

Article consisting of a core of fine grained black powder surrounded by a flexible woven fabric with one or more protective outer coverings. When ignited, it burns at a predetermined rate without any external explosive effect.

FUZES, DETONATING: UN Nos. 0106, 0107, 0257, 0367

Articles with explosive components designed to produce a detonation in ammunition. They incorporate mechanical, electrical, chemical or hydrostatic components to initiate the detonation. They generally incorporate protective features.

FUZES, DETONATING with protective features: UN Nos. 0408, 0409, 0410

Articles with explosive components designed to produce a detonation in ammunition. They incorporate mechanical, electrical, chemical or hydrostatic components to initiate the detonation. The detonating fuze must incorporate two or more effective protective features.

FUZES, IGNITING: UN Nos. 0316, 0317, 0368

Articles with primary explosive components designed to produce a deflagration in ammunition. They incorporate mechanical, electrical, chemical or hydrostatic components to start the deflagration. They generally incorporate protective features.

GRENADES, hand or rifle, with bursting charge: UN Nos. 0284, 0285

Articles which are designed to be thrown by hand or to be projected by a rifle. They are without means of initiation or with means of initiation containing two or more effective protective features.

GRENADES, hand or rifle, with bursting charge: UN Nos. 0292, 0293

Articles which are designed to be thrown by hand or to be projected by a rifle. They are with means of initiation not containing two or more effective protective features.

GRENADES, PRACTICE, hand or rifle: UN Nos. 0110, 0372, 0318, 0452

Articles without a main bursting charge which are designed to be thrown by hand or to be projected by a rifle. They contain the priming device and may contain a spotting charge.

HEXOTONAL: UN No. 0393

Substance consisting of an intimate mixture of cyclotrimethylene-trinitramine (RDX), trinitrotoluene (TNT) and aluminium.

HEXOLITE (HEXOTOL), dry or wetted with less than 15% water, by mass: UN No. 0118

Substance consisting of an intimate mixture of cyclotrimethylene-trinitramine (RDX) and trinitrotoluene (TNT). The term includes "Composition B".

IGNITERS: UN Nos. 0121, 0314, 0315, 0325, 0454

Articles containing one or more explosive substances designed to produce a deflagration in an explosive train. They may be actuated chemically, electrically or mechanically.

NOTE: The following articles: CORD, IGNITER; FUSE, IGNITER; FUSE, NON-DETONATING; FUZES, IGNITING; LIGHTERS, FUSE; PRIMERS, CAP TYPE; PRIMERS, TUBULAR are not included in this definition. They are listed separately.

JET PERFORATING GUNS, CHARGED, oil well, without detonator: UN Nos. 0124, 0494

Articles consisting of a steel tube or metallic strip, into which are inserted shaped charges connected by detonating cord, without means of initiation.

LIGHTERS, FUSE: UN No. 0131

Articles of various design actuated by friction, percussion or electricity and used to ignite safety fuse.

MINES with bursting charge: UN Nos. 0137, 0138

Articles consisting normally of metal or composition receptacles filled with a detonating explosive, without means of initiation or with means of initiation containing two or more effective protective features. They are designed to be operated by the passage of ships, vehicles or personnel. The term includes "Bangalore torpedoes".

MINES with bursting charge: UN Nos. 0136, 0294

Articles consisting normally of metal or composition receptacles filled with a detonating explosive, with means of initiation not containing two or more effective protective features. They are designed to be operated by the passage of ships, vehicles or personnel. The term includes "Bangalore torpedoes".

OCTOLITE (OCTOL), dry or wetted with less than 15% water, by mass: UN No. 0266

Substance consisting of an intimate mixture of cyclotetramethylene-tetranitramine (HMX) and trinitrotoluene (TNT).

OCTONAL: UN No. 0496

Substance consisting of an intimate mixture of cyclotetramethylenetetranitramine (HMX), trinitrotoluene (TNT) and aluminium.

PENTOLITE, dry or wetted with less than 15% water, by mass: UN No. 0151

Substance consisting of an intimate mixture of pentaerythrite tetranitrate (PETN) and trinitrotoluene (TNT).

POWDER CAKE (POWDER PASTE), WETTED with not less than 17% alcohol, by mass; **POWDER CAKE (POWDER PASTE), WETTED** with not less than 25% water, by mass: UN Nos. 0433, 0159

Substance consisting of nitrocellulose impregnated with not more than 60% of nitroglycerine or other liquid organic nitrates or a mixture of these.

POWDER, SMOKELESS: UN Nos. 0160, 0161, 0509

Substance based on nitrocellulose used as propellant. The term includes propellants with a single base (nitrocellulose (NC) alone), those with a double base (such as NC and nitroglycerine/(NG)) and those with a triple base (such as NC/NG/nitroguanidine).

NOTE: Cast, pressed or bag-charges of smokeless powder are listed under CHARGES, PROPELLING or CHARGES, PROPELLING, FOR CANON.

PRIMERS, CAP TYPE: UN Nos. 0044, 0377, 0378

Articles consisting of a metal or plastics cap containing a small amount of primary explosive mixture that is readily ignited by impact. They serve as igniting elements in small arms cartridges and in percussion primers for propelling charges.

PRIMERS, TUBULAR: UN Nos. 0319, 0320, 0376

Articles consisting of a primer for ignition and an auxiliary charge of deflagrating explosive such as black powder used to ignite the propelling charge in a cartridge case for cannon, etc.

PROJECTILES, inert with tracer: UN Nos. 0345, 0424, 0425

Articles such as a shell or bullet, which are projected from a cannon or other gun, rifle or other small arm.

PROJECTILES with burster or expelling charge: UN Nos. 0346, 0347

Articles such as a shell or bullet, which are projected from a cannon or other gun. They are without means of initiation or with means of initiation containing two or more effective protective features. They are used to scatter dyes for spotting or other inert materials.

PROJECTILES with burster or expelling charge: UN Nos. 0426, 0427

Articles such as a shell or bullet, which are projected from a cannon or other gun. They are with means of initiation not containing two or more effective protective features. They are used to scatter dyes for spotting or other inert materials.

PROJECTILES with burster or expelling charge: UN Nos. 0434, 0435

Articles such as a shell or bullet, which are projected from a cannon or other gun, rifle or other small arm. They are used to scatter dyes for spotting or other inert materials.

PROJECTILES with bursting charge: UN Nos. 0168, 0169, 0344

Articles such as a shell or bullet, which are projected from a cannon or other gun. They are without means of initiation or with means of initiation containing two or more effective protective features.

PROJECTILES with bursting charge: UN Nos. 0167, 0324

Articles such as a shell or bullet, which are projected from a cannon or other gun. They are with means of initiation not containing two or more effective protective features.

PROPELLANT, LIQUID: UN Nos. 0495, 0497

Substance consisting of a deflagrating liquid explosive, used for propulsion.

PROPELLANT, SOLID: UN Nos. 0498, 0499, 0501

Substance consisting of a deflagrating solid explosive, used for propulsion.

RELEASE DEVICES, EXPLOSIVE: UN No. 0173

Articles consisting of a small charge of explosive with means of initiation and rods or links. They sever the rods or links to release equipment quickly.

RIVETS, EXPLOSIVE: UN No. 0174

Articles consisting of a small charge of explosive inside a metallic rivet.

ROCKET MOTORS: UN Nos. 0186, 0280, 0281

Articles consisting of a charge of explosive, generally a solid propellant, contained in a cylinder fitted with one or more nozzles. They are designed to propel a rocket or a guided missile.

ROCKET MOTORS, LIQUID FUELLED: UN Nos. 0395, 0396

Articles consisting of a liquid fuel within a cylinder fitted with one or more nozzles. They are designed to propel a rocket or a guided missile.

ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge: UN Nos. 0322, 0250

Articles consisting of a hypergolic fuel contained in a cylinder fitted with one or more nozzles. They are designed to propel a rocket or a guided missile.

ROCKETS, LINE THROWING: UN Nos. 0238, 0240, 0453

Articles consisting of a rocket motor which is designed to extend a line.

ROCKETS, LIQUID FUELLED with bursting charge: UN Nos. 0397, 0398

Articles consisting of a liquid fuel within a cylinder fitted with one or more nozzles and fitted with a warhead. The term includes guided missiles.

ROCKETS with bursting charge: UN Nos. 0181, 0182

Articles consisting of a rocket motor and a warhead without means of initiation or with means of initiation containing two or more effective protective features. The term includes guided missiles.

ROCKETS with bursting charge: UN Nos. 0180, 0295

Articles consisting of a rocket motor and a warhead with means of initiation not containing two or more effective protective features. The term includes guided missiles.

ROCKETS with expelling charge: UN Nos. 0436, 0437, 0438

Articles consisting of a rocket motor and a charge to expel the payload from a rocket head. The term includes guided missiles.

ROCKETS with inert head: UN Nos. 0183, 0502

Articles consisting of a rocket motor and an inert head. The term includes guided missiles.

SAMPLES, EXPLOSIVE, other than initiating explosive UN No. 0190

New or existing explosive substances or articles, not yet assigned to a name in Table A of Chapter 3.2 and carried in conformity with the instructions of the competent authority and generally in small quantities, inter alia, for the purposes of testing, classification, research and development, or quality control, or as commercial samples.

NOTE: Explosive substances or articles already assigned to another name in Table A of Chapter 3.2 are not included in this definition.

SIGNAL DEVICES, HAND: UN Nos. 0191, 0373

Portable articles containing pyrotechnic substances which produce visual signals or warnings. The term includes small surface flares such as highway or railway flares and small distress flares.

SIGNALS, DISTRESS, ship: UN Nos. 0194, 0195, 0505, 0506

Articles containing pyrotechnic substances designed to produce signals by means of sound, flame or smoke or any combination thereof.

SIGNALS, RAILWAY TRACK, EXPLOSIVE: UN Nos. 0192, 0193, 0492, 0493

Articles containing a pyrotechnic substance which explodes with a loud report when the article is crushed. They are designed to be placed on a rail.

SIGNALS, SMOKE: UN Nos. 0196, 0197, 0313, 0487, 0507

Articles containing pyrotechnic substances which emit smoke. In addition they may contain devices for emitting audible signals.

SOUNDING DEVICES, EXPLOSIVE: UN Nos. 0374, 0375

Articles consisting of a charge of detonating explosive, without means of initiation or with means of initiation containing two or more effective protective features. They are dropped from ships and function when they reach a predetermined depth or the sea bed.

SOUNDING DEVICES, EXPLOSIVE: UN Nos. 0204, 0296

Articles consisting of a charge of detonating explosive with means of initiation not containing two or more effective protective features. They are dropped from ships and function when they reach a predetermined depth or the sea bed.

SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE (SUBSTANCES, EVI), N.O.S.: UN No. 0482

Substances presenting a mass explosion hazard but which are so insensitive that there is very little probability of initiation or of transition from burning to detonation under normal conditions of transport, and which have passed Test Series 5.

TORPEDOES, LIQUID FUELLED with inert head: UN No. 0450

Articles consisting of a liquid explosive system to propel the torpedo through the water, with an inert head.

TORPEDOES, LIQUID FUELLED with or without bursting charge: UN No. 0449

Articles consisting of either a liquid explosive system to propel the torpedo through the water, with or without a warhead; or a liquid non-explosive system to propel the torpedo through the water, with a warhead.

TORPEDOES with bursting charge: UN No. 0451

Articles consisting of a non-explosive system to propel the torpedo through the water, and a warhead without means of initiation or with means of initiation containing two or more effective protective features.

TORPEDOES with bursting charge: UN No. 0329

Articles consisting of an explosive system to propel the torpedo through the water, and a warhead without means of initiation or with means of initiation containing two or more effective protective features.

TORPEDOES with bursting charge: UN No. 0330

Articles consisting of an explosive or non-explosive system to propel the torpedo through the water, and a warhead with means of initiation not containing two or more effective protective features.

TRACERS FOR AMMUNITION: UN Nos. 0212, 0306

Sealed articles containing pyrotechnic substances, designed to reveal the trajectory of a projectile.

TRITONAL: UN No. 0390

Substance consisting of trinitrotoluene (TNT) mixed with aluminium.

WARHEADS, ROCKET with burster or expelling charge: UN No. 0370

Articles consisting of an inert payload and a small charge of detonating or deflagrating explosive, without means of initiation or with means of initiation containing two or more effective protective features. They are designed to be fitted to a rocket motor to scatter inert material. The term includes warheads for guided missiles.

WARHEADS, ROCKET with burster or expelling charge: UN No. 0371

Articles consisting of an inert payload and a small charge of detonating or deflagrating explosive, with means of initiation not containing two or more effective protective features. They are designed to be fitted to a rocket motor to scatter inert material. The term includes warheads for guided missiles.

WARHEADS, ROCKET with bursting charge: UN Nos. 0286, 0287

Articles consisting of a detonating explosive, without means of initiation or with means of initiation containing two or more effective protective features. They are designed to be fitted to a rocket. The term includes warheads for guided missiles.

WARHEADS, ROCKET with bursting charge: UN No. 0369

Articles consisting of a detonating explosive, with means of initiation not containing two or more effective protective features. They are designed to be fitted to a rocket. The term includes warheads for guided missiles.

WARHEADS, TORPEDO with bursting charge: UN No. 0221

Articles consisting of a detonating explosive, without means of initiation or with means of initiation containing two or more effective protective features. They are designed to be fitted to a torpedo.

2.2.2 Class 2: Gases**2.2.2.1 Criteria****2.2.2.1.1** The heading of Class 2 covers pure gases, mixtures of gases, mixtures of one or more gases with one or more other substances and articles containing such substances.

A gas is a substance which:

- (a) at 50 °C has a vapour pressure greater than 300 kPa (3 bar); or
- (b) is completely gaseous at 20 °C at the standard pressure of 101.3 kPa.

NOTE 1: UN No. 1052 HYDROGEN FLUORIDE is nevertheless classified in Class 8.

2: A pure gas may contain other components deriving from its production process or added to preserve the stability of the product, provided that the level of these components does not change its classification or its conditions of carriage, such as filling ratio, filling pressure, test pressure.

3: N.O.S. entries in 2.2.2.3 may cover pure gases as well as mixtures.

2.2.2.1.2 The substances and articles of Class 2 are subdivided as follows:

1. *Compressed gas*: a gas which when packaged under pressure for carriage is entirely gaseous at -50 °C; this category includes all gases with a critical temperature less than or equal to -50 °C;
2. *Liquefied gas*: a gas which when packaged under pressure for carriage is partially liquid at temperatures above -50 °C. A distinction is made between:
 - High pressure liquefied gas*: a gas with a critical temperature above -50 °C and equal to or below +65 °C; and
 - Low pressure liquefied gas*: a gas with a critical temperature above +65 °C;
3. *Refrigerated liquefied gas*: a gas which when packaged for carriage is made partially liquid because of its low temperature;
4. *Dissolved gas*: a gas which when packaged under pressure for carriage is dissolved in a liquid phase solvent;
5. Aerosol dispensers and receptacles, small, containing gas (gas cartridges);
6. Other articles containing gas under pressure;
7. Non-pressurized gases subject to special requirements (gas samples);
8. Chemicals under pressure: liquids, pastes or powders, pressurized with a propellant that meets the definition of a compressed or liquefied gas and mixtures thereof.

2.2.2.1.3 Substances and articles (except aerosols and chemicals under pressure) of Class 2 are assigned to one of the following groups according to their hazardous properties, as follows:

- A asphyxiant;
- O oxidizing;
- F flammable;
- T toxic;
- TF toxic, flammable;
- TC toxic, corrosive;
- TO toxic, oxidizing;
- TFC toxic, flammable, corrosive;
- TOC toxic, oxidizing, corrosive.

For gases and gas mixtures presenting hazardous properties associated with more than one group according to the criteria, the groups designated by letter T take precedence over all other groups. The groups designated by letter F take precedence over the groups designated by letters A or O.

NOTE 1: In the UN Model Regulations, the IMDG Code and the ICAO Technical Instructions, gases are assigned to one of the following three divisions, based on the primary hazard:

Division 2.1: flammable gases (corresponding to the groups designated by the capital letter F);

Division 2.2: non-flammable, non-toxic gases (corresponding to the groups designated by the capital letters A or O);

Division 2.3: toxic gases (corresponding to the groups designated by the capital letter T (i.e. T, TF, TC, TO, TFC and TOC).

2: Receptacles, small containing gas (UN No. 2037) shall be assigned to the groups A to TOC according to the hazard of the contents. For aerosols (UN No. 1950), see 2.2.2.1.6. For chemicals under pressure (UN Nos. 3500 to 3505), see 2.2.2.1.7.

3: Corrosive gases are considered to be toxic, and are therefore assigned to the group TC, TFC or TOC.

2.2.2.1.4 If a mixture of Class 2 mentioned by name in Table A of Chapter 3.2 meets different criteria as mentioned in 2.2.2.1.2 and 2.2.2.1.5, this mixture shall be classified according to the criteria and assigned to an appropriate N.O.S. entry.

2.2.2.1.5 Substances and articles (except aerosols and chemicals under pressure) of Class 2 which are not mentioned by name in Table A of Chapter 3.2 shall be classified under a collective entry listed in 2.2.2.3 in accordance with 2.2.2.1.2 and 2.2.2.1.3. The following criteria shall apply:

Asphyxiant gases

Gases which are non-oxidizing, non-flammable and non-toxic and which dilute or replace oxygen normally in the atmosphere.

Flammable gases

Gases which at 20 °C and a standard pressure of 101.3 kPa:

- (a) are ignitable when in a mixture of 13% or less by volume with air; or
- (b) have a flammable range with air of at least 12 percentage points regardless of the lower flammable limit.

Flammability shall be determined by tests or by calculation, in accordance with methods adopted by ISO (see ISO 10156:2010).

Where insufficient data are available to use these methods, tests by a comparable method recognized by the competent authority of the country of origin may be used.

If the country of origin is not an RID Contracting State these methods shall be recognized by the competent authority of the first RID Contracting State reached by the consignment.

Oxidizing gases

Gases, which may, generally by providing oxygen, cause or contribute to the combustion of other material more than air does. These are pure gases or gas mixtures with an oxidizing power greater than 23.5% as determined by a method specified in ISO 10156:2010.

Toxic gases

NOTE: Gases meeting the criteria for toxicity in part or completely owing to their corrosivity are to be classified as toxic. See also the criteria under the heading "Corrosive gases" for a possible subsidiary corrosivity risk.

Gases which:

- (a) are known to be so toxic or corrosive to humans as to pose a hazard to health; or
- (b) are presumed to be toxic or corrosive to humans because they have a LC₅₀ value for acute toxicity equal to or less than 5 000 ml/m³ (ppm) when tested in accordance with 2.2.61.1.

In the case of gas mixtures (including vapours of substances from other classes) the following formula may be used:

$$LC_{50} \text{ Toxic (mixture)} = \frac{1}{\sum_{i=1}^n \frac{f_i}{T_i}}$$

where

f_i = mole fraction of the i^{th} component substance of the mixture;

T_i = toxicity index of the i^{th} component substance of the mixture. The T_i equals the LC₅₀ value as found in packing instruction P200 of 4.1.4.1. When no LC₅₀ value is listed in packing instruction P200 of 4.1.4.1, a LC₅₀ value available in scientific literature shall be used. When the LC₅₀ value is unknown, the toxicity index is determined by using the lowest LC₅₀ value of substances of similar physiological and chemical effects, or through testing if this is the only practical possibility.

Corrosive gases

Gases or gas mixtures meeting the criteria for toxicity completely owing to their corrosivity are to be classified as toxic with a subsidiary corrosivity risk.

A gas mixture that is considered to be toxic due to the combined effects of corrosivity and toxicity has a subsidiary risk of corrosivity when the mixture is known by human experience to be destructive to the skin, eyes or mucous membranes or when the LC₅₀ value of the corrosive components of the mixture is equal to or less than 5 000 ml/m³ (ppm) when the LC₅₀ is calculated by the formula:

$$LC_{50} \text{ Corrosive (mixture)} = \frac{1}{\sum_{i=1}^n \frac{f_i}{T_{ci}}}$$

where

f_i = mole fraction of the i^{th} corrosive component substance of the mixture;

T_{ci} = toxicity index of the i^{th} corrosive component substance of the mixture. The T_{ci} equals the LC_{50} value as found in packing instruction P200 of 4.1.4.1. When no LC_{50} value is listed in packing instruction P200 of 4.1.4.1, a LC_{50} value available in scientific literature shall be used. When the LC_{50} value is unknown the toxicity index is determined by using the lowest LC_{50} value of substances of similar physiological and chemical effects, or through testing if this is the only practical possibility.

2.2.2.1.6 Aerosols

Aerosols (UN No. 1950) are assigned to one of the following groups according to their hazardous properties, as follows:

- A asphyxiant;
- O oxidizing;
- F flammable;
- T toxic;
- C corrosive;
- CO corrosive, oxidizing;
- FC flammable, corrosive;
- TF toxic, flammable;
- TC toxic, corrosive;
- TO toxic, oxidizing;
- TFC toxic, flammable, corrosive
- TOC toxic, oxidizing, corrosive.

The classification depends on the nature of the contents of the aerosol dispenser.

NOTE: Gases, which meet the definition of toxic gases according to 2.2.2.1.5 and gases identified as "Considered as pyrophoric" by table note c of Table 2 of packing instruction P 200 in 4.1.4.1, shall not be used as a propellant in an aerosol dispenser. Aerosols with contents meeting the criteria for packing group I for toxicity or corrosivity shall not be accepted for carriage (see also 2.2.2.2.2).

The following criteria shall apply:

- (a) Assignment to group A shall apply when the contents do not meet the criteria for any other group according to sub-paragraphs (b) to (f) below;
- (b) Assignment to group O shall apply when the aerosol contains an oxidizing gas according to 2.2.2.1.5;
- (c) Assignment to group F shall apply if the contents include 85% by mass or more flammable components and the chemical heat of combustion is 30 kJ/g or more.

It shall not apply if the contents contain 1% by mass or less flammable components and the heat of combustion is less than 20 kJ/g.

Otherwise the aerosol shall be tested for flammability in accordance with the tests described in the Manual of Tests and Criteria, Part III, section 31. Extremely flammable and flammable aerosols shall be assigned to group F.

NOTE: Flammable components are flammable liquids, flammable solids or flammable gases and gas mixtures as defined in Notes 1 to 3 of sub-section 31.1.3 of Part III of the Manual of Tests and Criteria. This designation does not cover pyrophoric, self-heating or water-reactive substances. The chemical heat of combustion shall be determined by one of the following methods: ASTM D 240, ISO/FDIS 13943:1999 (E/F) 86.1 to 86.3 or NFPA 30B;

- (d) Assignment to group T shall apply when the contents, other than the propellant of aerosol dispensers to be ejected, are classified as Class 6.1, packing groups II or III;
- (e) Assignment to group C shall apply when the contents, other than the propellant of aerosol dispensers to be ejected, meet the criteria for Class 8, packing groups II or III;
- (f) When the criteria for more than one group amongst groups O, F, T, and C are met, assignment to groups CO, FC, TF, TC TO, TFC or TOC shall apply, as relevant.

2.2.2.1.7 Chemicals under pressure

Chemicals under pressure (UN Nos. 3500 to 3505) are assigned to one of the following groups according to their hazardous properties, as follows:

- A asphyxiant;
- F flammable;
- T toxic;
- C corrosive;
- FC flammable, corrosive;
- TF toxic, flammable.

The classification depends on the hazard characteristics of the components in the different states:

The propellant;

The liquid; or

The solid.

NOTE 1: Gases, which meet the definition of toxic gases or of oxidizing gases according to 2.2.2.1.5 or gases identified as "Considered as pyrophoric" by table note c of Table 2 of packing instruction P 200 in 4.1.4.1, shall not be used as a propellant in chemicals under pressure.

2: Chemicals under pressure with contents meeting the criteria for packing group I for toxicity or corrosivity or with contents meeting both the criteria for packing group II or III for toxicity and for packing group II or III for corrosivity shall not be accepted for carriage under these UN numbers.

3: Chemicals under pressure with components meeting the properties of Class 1; liquid desensitized explosives of Class 3; self-reactive substances and solid desensitized explosives of Class 4.1; Class 4.2; Class 4.3; Class 5.1; Class 5.2; Class 6.2; or Class 7, shall not be used for carriage under these UN numbers.

4: A chemical under pressure in an aerosol dispenser shall be carried under UN No. 1950.

The following criteria shall apply:

- (a) Assignment to group A shall apply when the contents do not meet the criteria for any other group according to sub-paragraphs (b) to (e) below;
- (b) Assignment to group F shall apply if one of the components, which can be a pure substance or a mixture, needs to be classified as flammable. Flammable components are flammable liquids and liquid mixtures, flammable solids and solid mixtures or flammable gases and gas mixtures meeting the following criteria:
 - (i) A flammable liquid is a liquid having a flashpoint of not more than 93 °C;
 - (ii) A flammable solid is a solid which meets the criteria in 2.2.41.1;
 - (iii) A flammable gas is a gas which meets the criteria in 2.2.2.1.5;
- (c) Assignment to group T shall apply when the contents, other than the propellant, are classified as dangerous goods of Class 6.1, packing groups II or III;
- (d) Assignment to group C shall apply when the contents, other than the propellant, are classified as dangerous goods of Class 8, packing groups II or III;
- (e) When the criteria for two groups amongst groups F, T, and C are met, assignment to groups FC or TF shall apply, as relevant.

2.2.2.2 Gases not accepted for carriage

2.2.2.2.1 Chemically unstable substances of Class 2 shall not be accepted for carriage, unless the necessary steps have been taken to prevent all possibility of a dangerous reaction e.g. decomposition, dismutation or polymerisation under normal conditions during transport. To this end particular care shall be taken to ensure that receptacles and tanks do not contain any substances liable to promote these reactions.

2.2.2.2.2 The following substances and mixtures shall not be accepted for carriage:

- UN No. 2186 HYDROGEN CHLORIDE, REFRIGERATED LIQUID;
- UN No. 2421 NITROGEN TRIOXIDE;
- UN No. 2455 METHYL NITRITE;
- Refrigerated liquefied gases which cannot be assigned to classification codes 3A, 3O or 3F;
- Dissolved gases which cannot be classified under UN Nos. 1001, 2073 or 3318;
- Aerosols where gases which are toxic according to 2.2.2.1.5 or pyrophoric according to packing instruction P200 in 4.1.4.1 are used as propellants;
- Aerosols with contents meeting the criteria for packing group I for toxicity or corrosivity (see 2.2.61 and 2.2.8);

- Receptacles, small, containing gases which are very toxic (LC₅₀ lower than 200 ppm) or pyrophoric according to packing instruction P200 in 4.1.4.1.

2.2.2.3 List of collective entries

Compressed gases		
Classificationcode	UN No.	Name of the substance or article
1 A	1956	COMPRESSED GAS, N.O.S.
1 O	3156	COMPRESSED GAS, OXIDIZING, N.O.S.
1 F	1964	HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S.
	1954	COMPRESSED GAS, FLAMMABLE, N.O.S.
1T	1955	COMPRESSED GAS, TOXIC, N.O.S.
1 TF	1953	COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.
1 TC	3304	COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.
1 TO	3303	COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.
1 TFC	3305	COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.
1 TOC	3306	COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.

Liquefied gases		
Classificationcode	UN No.	Name of the substance or article
2 A	1058	LIQUEFIED GASES, non-flammable, charged with nitrogen, carbon dioxide or air
	1078	REFRIGERANT GAS, N.O.S. such as mixtures of gases, Indicated by the letter R..., which as: Mixture F1, have a vapour pressure at 70 °C not exceeding 1.3 MPa (13 bar) and a density at 50 °C not lower than that of dichlorodifluoromethane (1.30 kg/l); Mixture F2, have a vapour pressure at 70 °C not exceeding 1.9 MPa (19 bar) and a density at 50 °C not lower than that of dichlorodifluoromethane (1.21 kg/l); Mixture F3, have a vapour pressure at 70 °C not exceeding 3 MPa (30 bar) and a density at 50 °C not lower than that of chlorodifluoromethane (1.09 kg/l). NOTE: Trichlorofluoromethane (Refrigerant R 11), 1,1,2-trichloro-1,2,2-trifluoroethane (Refrigerant R 113), 1,1,1-trichloro-2,2,2-trifluoroethane (Refrigerant R 113a), 1-chloro-1,2,2-trifluoroethane (Refrigerant R 133) and 1-chloro-1,1,2-trifluoroethane (Refrigerant R 133b) are not substances of Class 2. They may, however, enter into the composition of mixtures F1 to F3.
	1968	INSECTICIDE GAS, N.O.S.
	3163	LIQUEFIED GAS, N.O.S.
2 O	3157	LIQUEFIED GAS, OXIDIZING, N.O.S.

Liquefied gases (cont'd)		
Classification code	UN No.	Name of the substance or article
2 F	1010	BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, having a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l. NOTE: Butadienes, stabilized are also classified under UN No. 1010, see Table A of chapter 3.2.
	1060	METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED such as mixtures of methylacetylene and propadiene with hydrocarbons, which as: Mixture P1, contain not more than 63% methylacetylene and propadiene by volume and not more than 24% propane and propylene by volume, the percentage of C ₄ -saturated hydrocarbons being not less than 14% by volume; and as Mixture P2, contain not more than 48% methylacetylene and propadiene by volume and not more than 50% propane and propylene by volume, the percentage of C ₄ -saturated hydrocarbons being not less than 5% by volume, as well as mixtures of propadiene with 1 to 4% methylacetylene.
	1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. such as mixtures, which as: Mixture A, have a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l; Mixture A01, have a vapour pressure at 70 °C not exceeding 1.6 MPa (16 bar) and a relative density at 50 °C not lower than 0.516 kg/l; Mixture A02, have a vapour pressure at 70 °C not exceeding 1.6 MPa (16 bar) and a relative density at 50 °C not lower than 0.505 kg/l; Mixture A0, have a vapour pressure at 70 °C not exceeding 1.6 MPa (16 bar) and a density at 50 °C not lower than 0.495 kg/l; Mixture A1, have a vapour pressure at 70 °C not exceeding 2.1 MPa (21 bar) and a density at 50 °C not lower than 0.485 kg/l; Mixture B1 have a vapour pressure at 70 °C not exceeding 2.6 MPa (26 bar) and a relative density at 50 °C not lower than 0.474 kg/l; Mixture B2 have a vapour pressure at 70 °C not exceeding 2.6 MPa (26 bar) and a relative density at 50 °C not lower than 0.463 kg/l; Mixture B, have a vapour pressure at 70 °C not exceeding 2.6 MPa (26 bar) and a density at 50 °C not lower than 0.450 kg/l; Mixture C, have a vapour pressure at 70 °C not exceeding 3.1 MPa (31 bar) and a relative density at 50 °C not lower than 0.440 kg/l; NOTE 1: In the case of the foregoing mixtures, the use of the following names customary in the trade is permitted for describing these substances: for mixtures A, A01, A02 and A0: BUTANE; for mixture C: PROPANE. 2: UN No. 1075 PETROLEUM GASES, LIQUEFIED may be used as an alternative entry for UN No. 1965 HYDROCARBON GAS MIXTURE LIQUEFIED, N.O.S. for carriage prior to or following maritime or air carriage.
	3354	INSECTICIDE GAS, FLAMMABLE, N.O.S.
	3161	LIQUEFIED GAS, FLAMMABLE, N.O.S.
2 T	1967	INSECTICIDE GAS, TOXIC, N.O.S.
	3162	LIQUEFIED GAS, TOXIC, N.O.S.
2 TF	3355	INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S.
	3160	LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.
2 TC	3308	LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S.
2 TO	3307	LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S.
2 TFC	3309	LIQUEFIED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.
2 TOC	3310	LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.

Refrigerated liquefied gases		
Classification code	UN No.	Name of the substance or article
3 A	3158	GAS, REFRIGERATED LIQUID, N.O.S.
3 O	3311	GAS, REFRIGERATED LIQUID, OXIDIZING, N.O.S.
3 F	3312	GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.

Dissolved gases		
Classification code	UN No.	Name of the substance or article
4		Only substances listed in Table A of Chapter 3.2 are to be accepted for carriage.

Aerosols and receptacles, small, containing gas		
Classification code	UN No.	Name of the substance or article
5	1950	AEROSOLS
	2037	RECEPTACLES, SMALL CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable

Other articles containing gas under pressure		
Classification code	UN No.	Name of the substance or article
6A	2857	REFRIGERATING MACHINES containing non-flammable, non-toxic gases or ammonia solutions (UN 2672)
	3164	ARTICLES, PRESSURIZED, PNEUMATIC (containing non-flammable gas) or
	3164	ARTICLES, PRESSURIZED, HYDRAULIC (containing non-flammable gas)
6F	3150	DEVICES, SMALL, HYDROCARBON GAS POWERED or
	3150	HYDROCARBON GAS REFILLS FOR SMALL DEVICES, with release device
	3478	FUEL CELL CARTRIDGES, containing liquefied flammable gas or
	3478	FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, containing liquefied flammable gas or
	3478	FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing liquefied flammable gas
	3479	FUEL CELL CARTRIDGES, containing hydrogen in metal hydride or
	3479	FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, containing hydrogen in metal hydride or
	3479	FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing hydrogen in metal hydride

Gas samples		
Classification code	UN No.	Name of the substance or article
7 F	3167	GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, N.O.S., not refrigerated liquid
7 T	3169	GAS SAMPLE, NON-PRESSURIZED, TOXIC, N.O.S., not refrigerated liquid
7 TF	3168	GAS SAMPLE, NON-PRESSURIZED, TOXIC, FLAMMABLE, N.O.S., not refrigerated liquid

Chemicals under pressure		
Classification code	UN No.	Name of the substance or article
8 A	3500	CHEMICAL UNDER PRESSURE, N.O.S.
8 F	3501	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.
8 T	3502	CHEMICAL UNDER PRESSURE, TOXIC, N.O.S.
8 C	3503	CHEMICAL UNDER PRESSURE, CORROSIVE, N.O.S.
8 TF	3504	CHEMICAL UNDER PRESSURE, FLAMMABLE, TOXIC, N.O.S.
8 FC	3505	CHEMICAL UNDER PRESSURE, FLAMMABLE, CORROSIVE, N.O.S.

2.2.3 Class 3: Flammable liquids**2.2.3.1 Criteria**

2.2.3.1.1 The heading of Class 3 covers substances and articles containing substances of this Class which:

- are liquids according to subparagraph (a) of the definition for "liquid" in 1.2.1;
- have at 50 °C a vapour pressure of not more than 300 kPa (3 bar) and are not completely gaseous at 20 °C and at standard pressure of 101.3 kPa; and
- have a flash-point of not more than 60 °C (see 2.3.3.1 for the relevant test).

The heading of Class 3 also covers liquid substances and molten solid substances with a flash-point of more than 60 °C and which are carried or handed over for carriage whilst heated at temperatures equal to or higher than their flash-point. These substances are assigned to UN No. 3256.

The heading of Class 3 also covers liquid desensitized explosives. Liquid desensitized explosives are explosive substances which are dissolved or suspended in water or other liquid substances, to form an homogeneous liquid mixture to suppress their explosive properties. Such entries in Table A of Chapter 3.2 are UN Nos. 1204, 2059, 3064, 3343, 3357 and 3379.

NOTE 1: Substances having a flash-point above 35 °C which do not sustain combustion according to the criteria of sub-section 32.2.5 of Part III of the Manual of Tests and Criteria, are not substances of Class 3; if, however, these substances are handed over for carriage and carried whilst heated at temperatures equal to or higher than their flash-point, they are substances of Class 3.

2: By derogation from paragraph 2.2.3.1.1 above, diesel fuel, gasoil, heating oil (light) including synthetically manufactured products having a flash-point above 60 °C and not more than 100 °C shall be deemed substances of Class 3, UN No. 1202.

3: Liquids which are highly toxic on inhalation, having a flash-point below 23 °C and toxic substances, having a flash-point of 23 °C or above are substances of Class 6.1 (see 2.2.61.1).

4: Flammable liquid substances and preparations used as pesticides, which are highly toxic, toxic or slightly toxic and have a flash-point of 23 °C or above are substances of Class 6.1 (see 2.2.61.1).

2.2.3.1.2 The substances and articles of Class 3 are subdivided as follows:

F Flammable liquids, without subsidiary risk and articles containing such substances:

F1 Flammable liquids having a flash-point of or below 60 °C;

F2 Flammable liquids having a flash-point above 60 °C which are carried or handed over for carriage at or above their flash-point (elevated temperature substances);

F3 Articles containing flammable liquids;

FT Flammable liquids, toxic:

FT1 Flammable liquids, toxic;

FT2 Pesticides;

FC Flammable liquids, corrosive;

FTC Flammable liquids, toxic, corrosive;

D Liquid desensitized explosives.

2.2.3.1.3 Substances and articles classified in Class 3 are listed in Table A of Chapter 3.2. Substances not mentioned by name in Table A of Chapter 3.2 shall be assigned to the relevant entry of 2.2.3.3 and the relevant packing group in accordance with the provisions of this section. Flammable liquids shall be assigned to one of the following packing groups according to the degree of danger they present for carriage:

Packing group	Flash-point (closed cup)	Initial boiling point
I	-	≤ 35 °C
II ^(a)	< 23 °C	> 35 °C
III ^(a)	≥ 23 °C and ≤ 60 °C	> 35 °C

(a) See also 2.2.3.1.4.

For a liquid with (a) subsidiary risk(s), the packing group determined in accordance with the table above and the packing group based on the severity of the subsidiary risk(s) shall be considered; the classification and packing group shall then be determined in accordance with the table of precedence of hazards in 2.1.3.10.

2.2.3.1.4 Liquid or viscous mixtures and preparations, including those containing no more than 20% nitrocellulose with a nitrogen content not exceeding 12.6% (by dry mass), shall be assigned to packing group III only if the following requirements are met:

- (a) the height of the separated layer of solvent is less than 3% of the total height of the sample in the solvent-separation test (see Manual of Tests and Criteria, Part III, sub-section 32.5.1); and
- (b) the viscosity³ and flash-point are in accordance with the following table:

Kinematic viscosity (extrapolated) ν (at near-zero shear rate) mm^2/s at 23 °C	Flow time t in accordance with ISO 2431:1993		Flash-point in °C
	in s	Jet diameter in mm	
20 < ν ≤ 80	20 < t ≤ 60	4	above 17
80 < ν ≤ 135	60 < t ≤ 100	4	above 10
135 < ν ≤ 220	20 < t ≤ 32	6	above 5
220 < ν ≤ 300	32 < t ≤ 44	6	above - 1
300 < ν ≤ 700	44 < t ≤ 100	6	above - 5
700 < ν	100 < t	6	- 5 and below

NOTE: Mixtures containing more than 20% but not more than 55% nitrocellulose with a nitrogen content not exceeding 12.6% by dry mass are substances assigned to UN No. 2059.

Mixtures having a flash-point below 23 °C and containing:

- more than 55% nitrocellulose, whatever their nitrogen content; or
 - not more than 55% nitrocellulose with a nitrogen content above 12.6% by dry mass,
- are substances of Class 1 (UN Nos. 0340 or 0342) or of Class 4.1 (UN Nos. 2555, 2556 or 2557).

2.2.3.1.5 Non-toxic, non-corrosive and non-environmentally hazardous solutions and homogeneous mixtures having a flash-point of 23 °C or above (viscous substances, such as paints or varnishes, excluding substances containing more than 20% nitrocellulose) packed in receptacles of less than 450 litres capacity, are not subject to RID if, in the solvent-separation test (see Manual of Tests and Criteria, Part III, sub-section 32.5.1), the height of the separated layer of solvent is less than 3% of the total height, and if the substances at 23 °C have, in the flow cup conforming to ISO 2431:1993 having a jet 6 mm in diameter, a flow time of:

- (a) not less than 60 seconds, or
- (b) not less than 40 seconds and contain not more than 60% of substances of Class 3.

2.2.3.1.6 If substances of Class 3, as a result of admixtures, come into categories of risk different from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures or solutions shall be assigned to the entries to which they belong on the basis of their actual degree of danger.

NOTE: For the classification of solutions and mixtures (such as preparations and wastes) see also 2.1.3.

2.2.3.1.7 On the basis of the test procedures in accordance with 2.3.3.1 and 2.3.4, and the criteria set out in 2.2.3.1.1, it may also be determined whether the nature of a solution or a mixture mentioned by name or containing a substance mentioned by name is such that the solution or mixture is not subject to the provisions for this Class (see also 2.1.3).

2.2.3.2 Substances not accepted for carriage

2.2.3.2.1 Substances of Class 3 which are liable to form peroxides easily (as happens with ethers or with certain heterocyclic oxygenated substances) shall not be accepted for carriage if their peroxide content, calculated as hydrogen peroxide (H_2O_2), exceeds 0.3%. The peroxide content shall be determined as indicated in 2.3.3.3.

2.2.3.2.2 The chemically unstable substances of Class 3 shall not be accepted for carriage unless the necessary steps have been taken to prevent their dangerous decomposition or polymerization during carriage. To this end, it shall be ensured in particular that receptacles and tanks do not contain any substance liable to promote these reactions.

2.2.3.2.3 Liquid desensitized explosives other than those listed in Table A of Chapter 3.2 shall not be accepted for carriage as substances of Class 3.

³ Viscosity determination: Where the substance concerned is non-Newtonian, or where a flow cup method of viscosity determination is otherwise unsuitable, a variable shear-rate viscometer shall be used to determine the dynamic viscosity coefficient of the substance, at 23 °C, at a number of shear rates. The values obtained are plotted against shear rate and then extrapolated to zero shear rate. The dynamic viscosity thus obtained, divided by the density, gives the apparent kinematic viscosity at near-zero shear rate.

2.2.3.3 List of collective entries

Subsidiary risk	Classification code	UN No.	Name of the substance or article
Flammable liquids and articles containing such substances			
	F1	1133	ADHESIVES containing flammable liquid
		1136	COAL TAR DISTILLATES, FLAMMABLE
		1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)
		1169	EXTRACTS, AROMATIC, LIQUID
		1197	EXTRACTS, FLAVOURING, LIQUID
		1210	PRINTING INK, flammable or
		1210	PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable
		1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or
		1263	PAINT RELATED MATERIAL (including paint thinning or reducing compound)
		1266	PERFUMERY PRODUCTS with flammable solvents
		1293	TINCTURES, MEDICINAL
		1306	WOOD PRESERVATIVES, LIQUID
		1866	RESIN SOLUTION, flammable
		1999	TARS, LIQUID, including road oils, and cutback bitumens
		3065	ALCOHOLIC BEVERAGES
		1224	KETONES, LIQUID, N.O.S.
		1268	PETROLEUM DISTILLATES, N.O.S. or
		1268	PETROLEUM PRODUCTS, N.O.S.
		1987	ALCOHOLS, N.O.S.
		1989	ALDEHYDES, N.O.S.
		2319	TERPENE HYDROCARBONS, N.O.S.
		3271	ETHERS, N.O.S.
		3272	ESTERS, N.O.S.
		3295	HYDROCARBONS, LIQUID, N.O.S.
		3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or
		3336	MERCAPTANS MIXTURE, LIQUID, FLAMMABLE, N.O.S.
		1993	FLAMMABLE LIQUID, N.O.S.
without subsidiary risk F	F2 elevated temperature	3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S., with flash-point above 60 °C, at or above its flash-point
	F3 articles	3269	POLYESTER RESIN KIT
		3473	FUEL CELL CARTRIDGES or
		3473	FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or
		3473	FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT

		1228 MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or 1228 MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S. 1986 ALCOHOLS, FLAMMABLE, TOXIC, N.O.S. 1988 ALDEHYDES, FLAMMABLE, TOXIC, N.O.S. 2478 ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or 2478 ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S. 3248 MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S. 3273 NITRILES, FLAMMABLE, TOXIC, N.O.S. 1992 FLAMMABLE LIQUID, TOXIC, N.O.S.
Toxic FT	FT1	
	pesticide (flash point below 23 °C) FT2	2758 CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC 2760 ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC 2762 ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC 2764 TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC 2772 THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC 2776 COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC 2778 MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC 2780 SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMA- BLE, TOXIC 2782 BIPYRIDILUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC 2784 ORGANOPHOSPHORUS PESTICIDE, LIQUID, FLAMMABLE, TOXIC 2787 ORGANOTIN PESTICIDE, LIQUID, FLAMMABLE, TOXIC 3024 COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC 3346 PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC 3350 PYRETHROID PESTICIDE, LIQUID, FLAMMABLE TOXIC 3021 PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S. NOTE: The classification of a pesticide under an entry shall be effected on the basis of the active ingredient, of the physical state of the pesti- cide and any subsidiary risks it may exhibit.
Corrosive	FC	3469 PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or 3469 PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (includ- ing paint thinning and reducing compound) 2733 AMINES, FLAMMABLE, CORROSIVE, N.O.S. or 2733 POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S. 2985 CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S. 3274 ALCOHOLATES SOLUTION, N.O.S., in alcohol 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S.
Toxic, cor- rosive	FTC	3286 FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.
Liquid de- sensitized explosive	D	3343 NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMA- BLE, N.O.S. with not more than 30% nitroglycerin by mass 3357 NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin by mass 3379 DESENSITIZED EXPLOSIVE, LIQUID, N.O.S.

2.2.41 Class 4.1: Flammable solids, self-reactive substances and solid desensitized explosives**2.2.41.1 Criteria****2.2.41.1.1** The heading of Class 4.1 covers flammable substances and articles, desensitized explosives which are solids according to subparagraph (a) of the definition "solid" in 1.2.1 and self-reactive liquids or solids.

The following are assigned to Class 4.1:

- readily flammable solid substances and articles (see paragraphs 2.2.41.1.3 to 2.2.41.1.8);
- self-reactive solids or liquids (see paragraphs 2.2.41.1.9 to 2.2.41.1.16);
- solid desensitized explosives (see 2.2.41.1.18);
- substances related to self-reactive substances (see 2.2.41.1.19).

2.2.41.1.2 The substances and articles of Class 4.1 are subdivided as follows:

F Flammable solids, without subsidiary risk:

- F1 Organic;
- F2 Organic, molten;
- F3 Inorganic;

FO Flammable solids, oxidizing;

FT Flammable solids, toxic:

- FT1 Organic, toxic;
- FT2 Inorganic, toxic;

FC Flammable solids, corrosive:

- FC1 Organic, corrosive;
- FC2 Inorganic, corrosive;

D Solid desensitized explosives without subsidiary risk;

DT Solid desensitized explosives, toxic;

SR Self-reactive substances:

- SR1 Not requiring temperature control;
- SR2 Requiring temperature control (not accepted for carriage by rail).

Flammable solids*Definition and properties***2.2.41.1.3** *Flammable solids* are readily combustible solids and solids which may cause fire through friction.

Readily combustible solids are powdered, granular, or pasty substances which are dangerous if they can be easily ignited by brief contact with an ignition source, such as a burning match, and if the flame spreads rapidly. The danger may come not only from the fire but also from toxic combustion products. Metal powders are especially dangerous because of the difficulty of extinguishing a fire since normal extinguishing agents such as carbon dioxide or water can increase the hazard.

*Classification***2.2.41.1.4** Substances and articles classified as flammable solids of Class 4.1 are listed in Table A of Chapter 3.2. The assignment of organic substances and articles not mentioned by name in Table A of Chapter 3.2 to the relevant entry of 2.2.41.3 in accordance with the provisions of Chapter 2.1 can be based on experience or on the results of the test procedures in accordance with Part III, sub-section 33.2.1 of the Manual of Tests and Criteria. The assignment of inorganic substances not mentioned by name shall be based on the results of the test procedures in accordance with Part III, sub-section 33.2.1 of the Manual of Tests and Criteria; experience shall also be taken into account when it leads to a more stringent assignment.**2.2.41.1.5** When substances not mentioned by name are assigned to one of the entries listed in 2.2.41.3 on the basis of the test procedures in accordance with the Manual of Tests and Criteria, Part III, sub-section 33.2.1, the following criteria apply:

- (a) With the exception of metal powders or powders of metal alloys, powdery, granular or pasty substances shall be classified as readily flammable substances of Class 4.1 if they can be easily ignited by brief contact with an ignition source (e.g. a burning match), or if, in the event of ignition, the flame spreads rapidly, the burning time is less than 45 seconds for a measured distance of 100 mm or the rate of burning is greater than 2.2 mm/s.

- (b) Metal powders or powders of metal alloys shall be assigned to Class 4.1 if they can be ignited by a flame and the reaction spreads over the whole length of the sample in 10 minutes or less.

Solids which may cause fire through friction shall be classified in Class 4.1 by analogy with existing entries (e.g. matches) or in accordance with any appropriate special provision.

- 2.2.41.1.6** On the basis of the test procedure in accordance with the Manual of Tests and Criteria, Part III, Section 33.2.1 and the criteria set out in 2.2.41.1.4 and 2.2.41.1.5, it may also be determined whether the nature of a substance mentioned by name is such that the substance is not subject to the provisions for this Class.

- 2.2.41.1.7** If substances of Class 4.1, as a result of admixtures, come into different categories of risk from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures shall be assigned to the entries to which they belong on the basis of their actual degree of danger.

NOTE: For the classification of solutions and mixtures (such as preparations and wastes), see also 2.1.3.

Assignment of packing groups

- 2.2.41.1.8** Flammable solids classified under the various entries in Table A of Chapter 3.2 shall be assigned to packing groups II or III on the basis of test procedures of the Manual of Tests and Criteria, Part III, sub-section 33.2.1, in accordance with the following criteria:

- (a) Readily flammable solids which, when tested, have a burning time of less than 45 seconds over a measured distance of 100 mm shall be assigned to:

Packing group II: if the flame passes the wetted zone;

Packing group III: if the wetted zone stops the flame for at least four minutes;

- (b) Metal powders or powders of metal alloys shall be assigned to:

Packing group II: if, when tested, the reaction spreads over the whole length of the sample in five minutes or less;

Packing group III: if, when tested, the reaction spreads over the whole length of the sample in more than five minutes.

For solids which may cause fire through friction, the packing group shall be assigned by analogy with existing entries or in accordance with any special provision.

Self-reactive substances

Definitions

- 2.2.41.1.9** For the purposes of RID, *self-reactive substances* are thermally unstable substances liable to undergo a strongly exothermic decomposition even without participation of oxygen (air). Substances are not considered to be self-reactive substances of Class 4.1, if:

- (a) they are explosives according to the criteria of Class 1;
- (b) they are oxidizing substances according to the classification procedure for Class 5.1 (see 2.2.51.1) except that mixtures of oxidizing substances which contain 5% or more of combustible organic substances shall be subjected to the classification procedure defined in Note 2;
- (c) they are organic peroxides according to the criteria of Class 5.2 (see 2.2.52.1);
- (d) their heat of decomposition is less than 300 J/g; or
- (e) their self-accelerating decomposition temperature (SADT) (see Note 3 below) is greater than 75 °C for a 50 kg package.

NOTE 1: The heat of decomposition can be determined using any internationally recognised method e.g. differential scanning calorimetry and adiabatic calorimetry.

- 2:** Mixtures of oxidizing substances meeting the criteria of Class 5.1 which contain 5% or more of combustible organic substances, which do not meet the criteria mentioned in (a), (c), (d) or (e) above, shall be subjected to the self-reactive substance classification procedure.

A mixture showing the properties of a self-reactive substance, type B to F, shall be classified as a self-reactive substance of Class 4.1.

A mixture showing the properties of a self-reactive substance, type G, according to the principle given in sub-section 20.4.3 (g) of Part II of the Manual of Tests and Criteria shall be considered for classification as a substance of Class 5.1 (see 2.2.51.1).

- 3:** The self-accelerating decomposition temperature (SADT) is the lowest temperature at which self-accelerating decomposition may occur with a substance in the packaging as used during carriage. Requirements for the determination of the SADT are given in the Manual of Tests and Criteria, Part II, Chapter 20 and section 28.4.

- 4:** Any substance which shows the properties of a self-reactive substance shall be classified as such, even if this substance gives a positive test result according to 2.2.42.1.5 for inclusion in Class 4.2.

Properties

- 2.2.41.1.10** The decomposition of self-reactive substances can be initiated by heat, contact with catalytic impurities (e.g. acids, heavy-metal compounds, bases), friction or impact. The rate of decomposition increases with temperature and varies with the substance. Decomposition, particularly if no ignition occurs, may result in the evolution of toxic gases or vapours. For certain self-reactive substances, the temperature shall be controlled. Some self-reactive substances may decompose explosively, particularly if confined. This characteristic may be modified by the addition of diluents or by the use of appropriate packagings. Certain self-reactive substances burn vigorously. Self-reactive substances are, for example, some compounds of the types listed below:

aliphatic azo compounds ($-C=N=N-C-$);
organic azides ($-C-N_3$);
diazonium salts ($-CN_2^+ Z^-$);
N-nitroso compounds ($-N-N=O$); and
aromatic sulphonylhydrazides ($-SO_2-NH-NH_2$).

This list is not exhaustive and substances with other reactive groups and some mixtures of substances may have similar properties.

Classification

- 2.2.41.1.11** Self-reactive substances are classified into seven types according to the degree of danger they present. The types of self-reactive substances range from type A, which is not accepted for carriage in the packaging in which it is tested, to type G, which is not subject to the provisions for self-reactive substances of Class 4.1. The classification of types B to F is directly related to the maximum quantity allowed in one packaging. The principles to be applied for classification as well as the applicable classification procedures, test methods and criteria and an example of a suitable test report are given in Part II of the Manual of Tests and Criteria.

- 2.2.41.1.12** Self-reactive substances which have already been classified and are already permitted for carriage in packagings are listed in 2.2.41.4, those already permitted for carriage in IBCs are listed in 4.1.4.2, packing instruction IBC520 and those already permitted for carriage in tanks according to Chapter 4.2 are listed in 4.2.5.2, portable tank instruction T23. Each permitted substance listed is assigned to a generic entry of Table A of Chapter 3.2 (UN Nos. 3221 to 3240) and appropriate subsidiary risks and remarks providing relevant transport information are given.

The collective entries specify:

- self-reactive substances types B to F, see 2.2.41.1.11 above;
- physical state (liquid/solid).

The classification of the self-reactive substances listed in 2.2.41.4 is based on the technically pure substance (except where a concentration of less than 100% is specified).

- 2.2.41.1.13** Classification of self-reactive substances not listed in 2.2.41.4, 4.1.4.2, packing instruction IBC520 or 4.2.5.2, portable tank instruction T23 and assignment to a collective entry shall be made by the competent authority of the country of origin on the basis of a test report. The statement of approval shall contain the classification and the relevant conditions of carriage. If the country of origin is not an RID Contracting State, the classification and the conditions of carriage shall be recognized by the competent authority of the first RID Contracting State reached by the consignment.

- 2.2.41.1.14** Activators, such as zinc compounds, may be added to some self-reactive substances to change their reactivity. Depending on both the type and the concentration of the activator, this may result in a decrease in thermal stability and a change in explosive properties. If either of these properties is altered, the new formulation shall be assessed in accordance with the classification procedure.

- 2.2.41.1.15** Samples of self-reactive substances or formulations of self-reactive substances not listed in 2.2.41.4, for which a complete set of test results is not available and which are to be carried for further testing or evaluation, shall be assigned to one of the appropriate entries for self-reactive substances type C provided the following conditions are met:

- the available data indicate that the sample would be no more dangerous than self-reactive substances type B;
- the sample is packaged in accordance with packing method OP2 and the quantity per wagon is limited to 10 kg;

Samples requiring temperature control shall not be accepted for carriage by rail.

Desensitization

2.2.41.1.16 In order to ensure safety during carriage, self-reactive substances are in many cases desensitized by use of a diluent. Where a percentage of a substance is stipulated, this refers to the percentage by mass, rounded to the nearest whole number. If a diluent is used, the self-reactive substance shall be tested with the diluent present in the concentration and form used in carriage. Diluents which may allow a self-reactive substance to concentrate to a dangerous extent in the event of leakage from a packaging shall not be used. Any diluent shall be compatible with the self-reactive substance. In this regard, compatible diluents are those solids or liquids which have no detrimental influence on the thermal stability and hazard type of the self-reactive substance.

2.2.41.1.17 (Reserved)

Solid desensitized explosives

2.2.41.1.18 Solid desensitized explosives are substances which are wetted with water or alcohols or are diluted with other substances to suppress their explosive properties. Such entries in Table A of Chapter 3.2 are: UN Nos. 1310, 1320, 1321, 1322, 1336, 1337, 1344, 1347, 1348, 1349, 1354, 1355, 1356, 1357, 1517, 1571, 2555, 2556, 2557, 2852, 2907, 3317, 3319, 3344, 3364, 3365, 3366, 3367, 3368, 3369, 3370, 3376, 3380 and 3474.

Substances related to self-reactive substances

2.2.41.1.19 Substances that:

- (a) have been provisionally accepted into Class 1 according to Test Series 1 and 2 but exempted from Class 1 by Test Series 6;
- (b) are not self-reactive substances of Class 4.1; and
- (c) are not substances of Classes 5.1 or 5.2

are also assigned to Class 4.1. UN Nos. 2956, 3241, 3242 and 3251 are such entries.

2.2.41.2 Substances not accepted for carriage

2.2.41.2.1 The chemically unstable substances of Class 4.1 shall not be accepted for carriage unless the necessary steps have been taken to prevent their dangerous decomposition or polymerization during carriage. To this end, it shall in particular be ensured that receptacles and tanks do not contain any substance liable to promote these reactions.

2.2.41.2.2 Flammable solids, oxidizing, assigned to UN No. 3097 shall not be accepted for carriage unless they meet the requirements for Class 1 (see also 2.1.3.7).

2.2.41.2.3 The following substances shall not be accepted for carriage:

- Self-reactive substances of type A (see Manual of Tests and Criteria, Part II, paragraph 20.4.2 (a));
- Phosphorus sulphides which are not free from yellow and white phosphorus;
- Solid sensitized explosives other than those listed in Table A of Chapter 3.2;
- Inorganic flammable substances in the molten form other than UN No. 2448 SULPHUR, MOLTEN.

The following substances shall not be accepted for carriage by rail:

- Barium azide with a water content less than 50% (mass);
- Self-reactive substances with an SADT ≤ 55 °C, therefore requiring temperature control:
 - UN 3231 SELF-REACTIVE LIQUID TYPE B, TEMPERATURE CONTROLLED;
 - UN 3232 SELF-REACTIVE SOLID TYPE B, TEMPERATURE CONTROLLED;
 - UN 3233 SELF-REACTIVE LIQUID TYPE C, TEMPERATURE CONTROLLED;
 - UN 3234 SELF-REACTIVE SOLID TYPE C, TEMPERATURE CONTROLLED;
 - UN 3235 SELF-REACTIVE LIQUID TYPE D, TEMPERATURE CONTROLLED;
 - UN 3236 SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED;
 - UN 3237 SELF-REACTIVE LIQUID TYPE E, TEMPERATURE CONTROLLED;
 - UN 3238 SELF-REACTIVE SOLID TYPE E, TEMPERATURE CONTROLLED;
 - UN 3239 SELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLLED;
 - UN 3240 SELF-REACTIVE SOLID TYPE F, TEMPERATURE CONTROLLED.

2.2.41.3 List of collective entries

Subsidiary risk	Classification code	UN No.	Name of the substance or article
Flammable Solids F	without subsidiary risk	organic F1	3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. 1353 FIBRES IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S. or 1353 FABRICS IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S. 1325 FLAMMABLE SOLID, ORGANIC, N.O.S.
		organic molten F2	3176 FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.
		inorganic F3	3089 METAL POWDER, FLAMMABLE, N.O.S. ^{(a),(b)} 3181 METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S.
			3182 METAL HYDRIDES, FLAMMABLE, N.O.S. ^(c) 3178 FLAMMABLE SOLID, INORGANIC, N.O.S.
	oxidizing	FO	3097 FLAMMABLE SOLID, OXIDIZING, N.O.S. (not allowed, see 2.2.41.2.2)
	toxic FT	organic FT1	2926 FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.
		inorganic FT2	3179 FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.
	corrosive FC	organic FC1	2925 FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.
		inorganic FC2	3180 FLAMMABLE SOLID, CORROSIVE, INORGANIC, N.O.S.
Solid desensitized explosives	without subsidiary risk	D	3319 NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin by mass 3344 PENTAERYTHRITOL TETRANITRATE (PENTAERYTHRITOL TETRANITRATE, PETN) MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN by mass 3380 DESENSITIZED EXPLOSIVE, SOLID, N.O.S.
	toxic	DT	Only substances listed in Table A of Chapter 3.2 are to be accepted for carriage as substances of Class 4.1

Self-reactive substances SR	not requiring temperature control	SR1	SELF-REACTIVE LIQUID TYPE A (not accepted for carriage, see 2.2.41.2.3) SELF-REACTIVE SOLID TYPE A (not accepted for carriage, see 2.2.41.2.3) 3221 SELF-REACTIVE LIQUID TYPE B 3222 SELF-REACTIVE SOLID TYPE B 3223 SELF-REACTIVE LIQUID TYPE C 3224 SELF-REACTIVE SOLID TYPE C 3225 SELF-REACTIVE LIQUID TYPE D 3226 SELF-REACTIVE SOLID TYPE D 3227 SELF-REACTIVE LIQUID TYPE E 3228 SELF-REACTIVE SOLID TYPE E 3229 SELF-REACTIVE LIQUID TYPE F 3230 SELF-REACTIVE SOLID TYPE F SELF-REACTIVE LIQUID TYPE G (not subject to the provisions applicable to Class 4.1, see 2.2.41.1.11) SELF-REACTIVE SOLID TYPE G (not subject to the provisions applicable to Class 4.1, see 2.2.41.1.11)
	requiring temperature control	SR2	3231 SELF-REACTIVE LIQUID TYPE B, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.41.2.3) 3232 SELF-REACTIVE SOLID TYPE B, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.41.2.3) 3233 SELF-REACTIVE LIQUID TYPE C, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.41.2.3) 3234 SELF-REACTIVE SOLID TYPE C, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.41.2.3) 3235 SELF-REACTIVE LIQUID TYPE D, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.41.2.3) 3236 SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.41.2.3) 3237 SELF-REACTIVE LIQUID TYPE E, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.41.2.3) 3238 SELF-REACTIVE SOLID TYPE E, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.41.2.3) 3239 SELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.41.2.3) 3240 SELF-REACTIVE SOLID TYPE F, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.41.2.3)

- (a) Metals and metal alloys in powdered or other flammable form, liable to spontaneous combustion, are substances of Class 4.2.
- (b) Metals and metal alloys in powdered or other flammable form, which in contact with water, emit flammable gases, are substances of Class 4.3.
- (c) Metals hydrides which, in contact with water, emit flammable gases, are substances of Class 4.3. Aluminium borohydride or aluminium borohydride in devices are substances of Class 4.2, UN No. 2870.

2.2.41.4 List of currently assigned self-reactive substances in packagings

In the column "Packing Method", codes "OP1" to "OP8" refer to packing methods in 4.1.4.1, packing instruction P520 (see also 4.1.7.1). Self-reactive substances to be carried shall fulfil the classification as listed. For substances permitted in IBCs, see 4.1.4.2, packing instruction IBC520 and, for those permitted in tanks according to Chapter 4.2, see 4.2.5.2, portable tank instruction T23.

NOTE: The classification given in this table is based on the technically pure substance (except where a concentration of less than 100% is specified). For other concentrations, the substance may be classified differently following the procedures given in Part II of the Manual of Tests and Criteria.

Self-reactive substance	Concentration (%)	Packing method	UN generic entry	Remarks
ACETONE-PYROGALLOL COPOLYMER 2-DIAZO-1-NAPHTHOL-5-SULPHONATE	100	OP8	3228	
AZODICARBONAMIDE FORMULATION TYPE B, TEMPERATURE CONTROLLED	< 100		3232	prohibited
AZODICARBONAMIDE FORMULATION TYPE C	< 100	OP6	3224	(3)
AZODICARBONAMIDE FORMULATION TYPE C, TEMPERATURE CONTROLLED	< 100		3234	prohibited
AZODICARBONAMIDE FORMULATION TYPE D	< 100	OP7	3226	(5)
AZODICARBONAMIDE FORMULATION TYPE D, TEMPERATURE CONTROLLED	< 100		3236	prohibited
2,2'-AZODI(2,4-DIMETHYL-4-METHOXYVALERONITRILE)	100		3236	prohibited
2,2'-AZODI(2,4-DIMETHYLVALERONITRILE)	100		3236	prohibited
2,2'-AZODI(ETHYL-2-METHYLPROPIONATE)	100		3235	prohibited
1,1-AZODI(HEXAHYDROBENZONITRILE)	100	OP7	3226	
2,2'-AZODI(ISOBUTYRONITRILE)	100		3234	prohibited
2,2'-AZODI(ISOBUTYRONITRILE) as a water based paste	≤ 50	OP6	3224	
2,2'-AZODI(2-METHYLBUTYRO-NITRILE)	100		3236	prohibited
BENZENE-1,3-DISULPHONYL HYDRAZIDE, as a paste	52	OP7	3226	
BENZENE SULPHONYL HYDRAZIDE	100	OP7	3226	
4-(BENZYL(ETHYL)AMINO)-3-ETHOXY-BENZENEDIAZONIUM ZINC CHLORIDE	100	OP7	3226	
4-(BENZYL(METHYL)AMINO)-3-ETHOXYBENZENEDIAZONIUM ZINC CHLORIDE	100		3236	prohibited
3-CHLORO-4-DIETHYLAMINO BENZENE-DIAZONIUM ZINC CHLORIDE	100	OP7	3226	
2-DIAZO-1-NAPHTHOL-4-SULPHONYL CHLORIDE	100	OP5	3222	(2)
2-DIAZO-1-NAPHTHOL-5-SULPHONYL CHLORIDE	100	OP5	3222	(2)

Self-reactive substance	Concentration (%)	Packing method	UN generic entry	Remarks
2-DIAZO-1-NAPHTHOL SULPHONIC ACID ESTER MIXTURE, TYPE D	< 100	OP7	3226	(9)
2,5-DIBUTOXY-4-(4-MORPHOLINYL)-BENZENEDIAZONIUM, TETRACHLOROZIN-CATE (2:1)	100	OP8	3228	
2,5-DIETHOXY-4-MORPHOLINO-BENZENEDIAZONIUM ZINC CHLORIDE	67 – 100		3236	prohibited
2,5-DIETHOXY-4-MORPHOLINO-BENZENEDIAZONIUM ZINC CHLORIDE	66		3236	prohibited
2,5-DIETHOXY-4-MORPHOLINO-BENZENEDIAZONIUM TETRAFLUOROBORATE	100		3236	prohibited
2,5-DIETHOXY-4-(4-MORPHOLINYL)-BENZENEDIAZONIUM SULPHATE	100	OP7	3226	
2,5-DIETHOXY-4-(PHENYLSULPHONYL)-BENZENEDIAZONIUM ZINC CHLORIDE	67		3236	prohibited
DIETHYLENEGLYCOL BIS (ALLYL CARBONATE) + DI-ISOPROPYLPEROXYDICARBONATE	≥ 88 ≤ 12		3237	prohibited
2,5-DIMETHOXY-4-(4-METHYL-PHENYLSULPHONYL)BENZENEDIAZONIUM ZINC CHLORIDE	79		3236	prohibited
4-(DIMETHYLAMINO)-BENZENEDIAZONIUM TRICHLOROZINCATE (-1)	100	OP8	3228	
4-DIMETHYLAMINO-6-(2-DIMETHYL-AMINOETHOXY) TOLUENE-2-DIAZONIUM ZINC CHLORIDE	100		3236	prohibited
N,N'-DINITROSO-N,N'-DIMETHYL TEREPHTHALAMIDE, as a paste	72	OP6	3224	
N,N'-DINITROSOPENTAMETHYLENE-TETRAMINE	82	OP6	3224	(7)
DIPHENYLOXIDE-4,4'-DISULPHONYL HYDRAZIDE	100	OP7	3226	
4-DIPROPYLAMINO BENZENEDIAZONIUM ZINC CHLORIDE	100	OP7	3226	
2-(N,N-ETHOXYCARBONYL-PHENYLAMINO)-3-METHOXY-4-(N-METHYL-N-CYCLOHEXYLAMINO) BENZENEDIAZONIUM ZINC CHLORIDE	63 – 92		3236	prohibited
2-(N,N-ETHOXYCARBONYL-PHENYLAMINO)-3-METHOXY-4-(N-METHYL-N-CYCLOHEXYLAMINO) BENZENEDIAZONIUM ZINC CHLORIDE	62		3236	prohibited
N-FORMYL-2-(NITROMETHYLENE)-1,3-PERHYDROTHIAZINE	100		3236	prohibited
2-(2-HYDROXYETHOXY)-1-(PYRROLIDIN-1-YL)BENZENE-4-DIAZONIUM ZINC CHLORIDE	100		3236	prohibited

Self-reactive substance	Concentration (%)	Packing method	UN generic entry	Remarks
3-(2-HYDROXYETHOXY)-4-(PYRROLIDIN-1-YL)BENZENE DIAZONIUM ZINC CHLORIDE	100		3236	prohibited
2-(N,N-METHYLAMINOETHYL-CARBONYL)-4-(3,4-DIMETHYL-PHENYLSULPHONYL)BENZENEDIAZONIUM HYDROGEN SULPHATE	96		3236	prohibited
4-METHYLBENZENESULPHONYL-HYDRAZIDE	100	OP7	3226	
3-METHYL-4-(PYRROLIDIN-1YL) BENZENEDIAZONIUM TETRAFLUOROBORATE	95		3234	prohibited
SODIUM 2-DIAZO-1-NAPHTHOL-4-SULPHONATE	100	OP7	3226	
SODIUM 2-DIAZO-1-NAPHTHOL-5-SULPHONATE	100	OP7	3226	
4-NITROSOPHENOL	100		3236	prohibited
SELF-REACTIVE LIQUID, SAMPLE		OP2	3223	(8)
SELF-REACTIVE LIQUID, SAMPLE, TEMPERATURE CONTROLLED			3233	prohibited
SELF-REACTIVE SOLID, SAMPLE		OP2	3224	(8)
SELF-REACTIVE SOLID, SAMPLE, TEMPERATURE CONTROLLED			3234	prohibited
TETRAMINE PALLADIUM (II) NITRATE	100		3234	prohibited

Remarks

- (1) (Reserved)
- (2) "EXPLOSIVE" subsidiary risk label required (Model No. 1, see 5.2.2.2.2).
- (3) Azodicarbonamide formulations which fulfil the criteria of paragraph 20.4.2 (c) of the Manual of Tests and Criteria.
- (4) (Reserved)
- (5) Azodicarbonamide formulations which fulfil the criteria of paragraph 20.4.2 (d) of the Manual of Tests and Criteria.
- (6) (Reserved)
- (7) With a compatible diluent having a boiling point of not less than 150 °C.
- (8) See 2.2.41.1.15.
- (9) This entry applies to mixtures of esters of 2-diazo-1-naphthol-4-sulphonic acid and 2-diazo-1-naphthol-5-sulphonic acid which fulfil the criteria of paragraph 20.4.2 (d) of the Manual of Test and Criteria.

2.2.42 Class 4.2: Substances liable to spontaneous combustion**2.2.42.1 Criteria****2.2.42.1.1** The heading of Class 4.2 covers:

- *Pyrophoric substances* which are substances, including mixtures and solutions (liquid or solid), which even in small quantities ignite on contact with air within five minutes. These are the Class 4.2 substances the most liable to spontaneous combustion; and
- *Self-heating substances and articles* which are substances and articles, including mixtures and solutions, which, on contact with air, without energy supply, are liable to self-heating. These substances will ignite only in large amounts (kilogrammes) and after long periods of time (hours or days).

2.2.42.1.2 The substances and articles of Class 4.2 are subdivided as follows:

S Substances liable to spontaneous combustion, without subsidiary risk:

- S1 Organic, liquid;
- S2 Organic, solid;
- S3 Inorganic, liquid;
- S4 Inorganic, solid;
- S5 Organometallic

SW Substances liable to spontaneous combustion, which, in contact with water, emit flammable gases;

SO Substances liable to spontaneous combustion, oxidizing;

ST Substances liable to spontaneous combustion, toxic:

- ST1 Organic, toxic, liquid;
- ST2 Organic, toxic, solid;
- ST3 Inorganic, toxic, liquid;
- ST4 Inorganic, toxic, solid;

SC Substances liable to spontaneous combustion, corrosive:

- SC1 Organic, corrosive, liquid;
- SC2 Organic, corrosive, solid;
- SC3 Inorganic, corrosive, liquid;
- SC4 Inorganic, corrosive, solid.

Properties

2.2.42.1.3 Self-heating of a substance is a process where the gradual reaction of that substance with oxygen (in air) generates heat. If the rate of heat production exceeds the rate of heat loss, then the temperature of the substance will rise which, after an induction time, may lead to self-ignition and combustion.

Classification

2.2.42.1.4 Substances and articles classified in Class 4.2 are listed in Table A of Chapter 3.2. The assignment of substances and articles not mentioned by name in Table A of Chapter 3.2 to the relevant specific n.o.s. entry of 2.2.42.3 in accordance with the provisions of Chapter 2.1 can be based on experience or the results of the test procedures in accordance with the Manual of Tests and Criteria, Part III, Section 33.3. Assignment to general n.o.s. entries of Class 4.2 shall be based on the results of the test procedures in accordance with the Manual of Tests and Criteria, Part III, section 33.3; experience shall also be taken into account when it leads to a more stringent assignment.

2.2.42.1.5 When substances or articles not mentioned by name are assigned to one of the entries listed in 2.2.42.3 on the basis of the test procedures in accordance with the Manual of Tests and Criteria, Part III, section 33.3, the following criteria shall apply:

- (a) Solids liable to spontaneous combustion (pyrophoric) shall be assigned to Class 4.2 when they ignite on falling from a height of 1 m or within five minutes;
- (b) Liquids liable to spontaneous combustion (pyrophoric) shall be assigned to Class 4.2 when:
 - (i) on being poured on an inert carrier, they ignite within five minutes, or
 - (ii) in the event of a negative result of the test according to (i), when poured on a dry, indented filter paper (Whatman No. 3 filter), they ignite or carbonize it within five minutes;
- (c) Substances in which, in a 10 cm sample cube, at 140 °C test temperature, spontaneous combustion or a rise in temperature to over 200 °C is observed within 24 hours shall be assigned to Class 4.2. This criterion is based on the temperature of the spontaneous combustion of charcoal, which is at 50 °C for a sample cube of 27 m³. Substances with a temperature of spontaneous combustion higher than 50 °C for a volume of 27 m³ are not to be assigned to Class 4.2.

NOTE 1: Substances carried in packages with a volume of not more than 3 m³ are exempted from Class 4.2 if, tested with a 10 cm sample cube at 120 °C, no spontaneous combustion nor a rise in temperature to over 180 °C is observed within 24 hours.

2: Substances carried in packages with a volume of not more than 450 litres are exempted from Class 4.2 if, tested with a 10 cm sample cube at 100 °C, no spontaneous combustion nor a rise in temperature to over 160 °C is observed within 24 hours.

3: Since organometallic substances can be classified in Class 4.2 or 4.3 with additional subsidiary risks, depending on their properties, a specific classification flow chart for these substances is given in 2.3.5.

2.2.42.1.6 If substances of Class 4.2, as a result of admixtures, come into different categories of risk from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures shall be assigned to the entries to which they belong on the basis of their actual degree of danger.

NOTE: For the classification of solutions and mixtures (such as preparations and wastes), see also 2.1.3.

2.2.42.1.7 On the basis of the test procedure in the Manual of Tests and Criteria, Part III, section 33.3 and the criteria set out in 2.2.42.1.5, it may also be determined whether the nature of a substance mentioned by name is such that the substance is not subject to the provisions for this Class.

Assignment of packing groups

2.2.42.1.8 Substances and articles classified under the various entries in Table A of Chapter 3.2 shall be assigned to packing groups I, II or III on the basis of test procedures of the Manual of Tests and Criteria, Part III, section 33.3, in accordance with the following criteria:

(a) Substances liable to spontaneous combustion (pyrophoric) shall be assigned to packing group I;

(b) Self-heating substances and articles in which, in a 2.5 cm sample cube, at 140 °C test temperature, spontaneous combustion or a rise in temperature to over 200 °C is observed within 24 hours, shall be assigned to packing group II;

Substances with a temperature of spontaneous combustion higher than 50 °C for a volume of 450 litres are not to be assigned to packing group II;

(c) Slightly self-heating substances in which, in a 2.5 cm sample cube, the phenomena referred to under (b) are not observed, in the given conditions, but in which in a 10 cm sample cube at 140 °C test temperature spontaneous combustion or a rise in temperature to over 200 °C is observed within 24 hours, shall be assigned to packing group III.

2.2.42.2 Substances not accepted for carriage

The following substances shall not be accepted for carriage:

- UN No. 3255 tert-BUTYL HYPOCHLORITE; and
- Self-heating solids, oxidizing, assigned to UN No. 3127 unless they meet the requirements for Class 1 (see 2.1.3.7).

2.2.42.3 List of collective entries

Subsidiary risk	Classification code	UN No.	Name of the substance or article
Substances liable to spontaneous combustion			
Without subsidiary risk S	organic	liquid S1	2845 PYROPHORIC LIQUID, ORGANIC, N.O.S. 3183 SELF-HEATING LIQUID, ORGANIC, N.O.S.
		solid S2	1373 FIBRES or FABRICS, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S. with oil 2006 PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S. 3313 ORGANIC PIGMENTS, SELF HEATING 2846 PYROPHORIC SOLID, ORGANIC, N.O.S. 3088 SELF-HEATING SOLID, ORGANIC, N.O.S.

Without subsidiary risk S (cont'd)		liquid S3	3194 PYROPHORIC LIQUID, INORGANIC, N.O.S. 3186 SELF-HEATING LIQUID, INORGANIC, N.O.S.
	inorganic	solid S4	1383 PYROPHORIC METAL, N.O.S. or 1383 PYROPHORIC ALLOY, N.O.S. 1378 METAL CATALYST, WETTED with a visible excess of liquid 2881 METAL CATALYST, DRY 3189 METAL POWDER, SELF-HEATING, N.O.S. ^(a) 3205 ALKALINE EARTH METAL ALCOHOLATES, N.O.S. 3200 PYROPHORIC SOLID, INORGANIC, N.O.S. 3190 SELF-HEATING SOLID, INORGANIC, N.O.S.
	Organo-metallic	S5	3391 ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC 3392 ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC 3400 ORGANOMETALLIC SUBSTANCE, SOLID, SELF-HEATING
Water-reactive			3393 ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC, WATER-REACTIVE 3394 ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE
Oxidizing			SO 3127 SELF-HEATING SOLID, OXIDIZING, N.O.S. (not accepted for carriage, see 2.2.42.2)
Toxic ST	organic	liquid ST1	3184 SELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.
		solid ST2	3128 SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.
	inorganic	liquid ST3	3187 SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.
		solid ST4	3191 SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.
Corrosive SC	organic	liquid SC1	3185 SELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.
		solid SC2	3126 SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.
	inorganic	liquid SC3	3188 SELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.
		solid SC4	3206 ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S. 3192 SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.

Footnotes

- ^(a) Dust and powder of metals, non toxic in a non-spontaneous combustible form which nevertheless, in contact with water, emit flammable gases, are substances of Class 4.3.

2.2.43 Class 4.3: Substances which, in contact with water, emit flammable gases**2.2.43.1 Criteria**

2.2.43.1.1 The heading of Class 4.3 covers substances which react with water to emit flammable gases liable to form explosive mixtures with air, and articles containing such substances.

2.2.43.1.2 Substances and articles of Class 4.3 are subdivided as follows:

W Substances which, in contact with water, emit flammable gases, without subsidiary risk, and articles containing such substances:

W1 Liquid;

W2 Solid;

W3 Articles;

WF1 Substances which, in contact with water, emit flammable gases, liquid, flammable;

WF2 Substances which, in contact with water, emit flammable gases, solid, flammable;

WS Substances which, in contact with water, emit flammable gases, solid, self-heating;

WO Substances which, in contact with water, emit flammable gases, oxidizing, solid;

WT Substances which, in contact with water, emit flammable gases, toxic:

WT1 Liquid;

WT2 Solid;

WC Substances which, in contact with water, emit flammable gases, corrosive:

WC1 Liquid;

WC2 Solid;

WFC Substances which, in contact with water, emit flammable gases, flammable, corrosive.

Properties

2.2.43.1.3 Certain substances in contact with water may emit flammable gases that can form explosive mixtures with air. Such mixtures are easily ignited by all ordinary sources of ignition, for example naked lights, sparking handtools or unprotected light bulbs. The resulting blast wave and flames may endanger people and the environment. The test method referred to in 2.2.43.1.4 below is used to determine whether the reaction of a substance with water leads to the development of a dangerous amount of gases which may be flammable. This test method shall not be applied to pyrophoric substances.

Classification

2.2.43.1.4 Substances and articles classified in Class 4.3 are listed in Table A of Chapter 3.2. The assignment of substances and articles not mentioned by name in Table A of Chapter 3.2 to the relevant entry of 2.2.43.3 in accordance with the provisions of Chapter 2.1 shall be based on the results of the test procedure in accordance with the Manual of Tests and Criteria, Part III, Section 33.4; experience shall also be taken into account when it leads to a more stringent assignment.

2.2.43.1.5 When substances not mentioned by name are assigned to one of the entries listed in 2.2.43.3 on the basis of the test procedure in accordance with the Manual of Tests and Criteria, Part III, Section 33.4, the following criteria shall apply:

A substance shall be assigned to Class 4.3 if:

(a) spontaneous ignition of the gas emitted takes place in any step of the test procedure; or

(b) there is an evolution of flammable gas at a rate greater than 1 litre per kilogramme of the substance to be tested per hour.

NOTE: Since organometallic substances can be classified in Class 4.2 or 4.3 with additional subsidiary risks, depending on their properties, a specific classification flow chart for these substances is given in 2.3.5.

2.2.43.1.6 If substances of Class 4.3, as a result of admixtures, come into different categories of risk from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures shall be assigned to the entries to which they belong on the basis of their actual degree of danger.

NOTE: For the classification of solutions and mixtures (such as preparations and wastes) see also 2.1.3.

2.2.43.1.7 On the basis of the test procedures in accordance with the Manual of Tests and Criteria, Part III, Section 33.4, and the criteria set out in 2.2.43.1.5, it may also be determined whether the nature of a substance mentioned by name is such that the substance is not subject to the provisions for this Class.

Assignment of packing groups

2.2.43.1.8 Substances and articles classified under the various entries in Table A of Chapter 3.2 shall be assigned to packing groups I, II or III on the basis of test procedures of the Manual of Tests and Criteria, Part III, section 33.4, in accordance with the following criteria:

- Packing group I shall be assigned to any substance which reacts vigorously with water at ambient temperature and generally demonstrates a tendency for the gas produced to ignite spontaneously, or one which reacts readily with water at ambient temperatures such that the rate of evolution of flammable gas is equal to or greater than 10 litres per kilogramme of substance over any one minute period;
- Packing group II shall be assigned to any substance which reacts readily with water at ambient temperature such that the maximum rate of evolution of flammable gas is equal to or greater than 20 litres per kilogramme of substance per hour, and which does not meet the criteria of packing group I;
- Packing group III shall be assigned to any substance which reacts slowly with water at ambient temperature such that the maximum rate of evolution of flammable gas is greater than 1 litre per kilogramme of substance per hour, and which does not meet the criteria of packing groups I or II.

2.2.43.2 Substances not accepted for carriage

Water-reactive solids, oxidizing, assigned to UN No. 3133 shall not be accepted for carriage unless they meet the requirements for Class 1 (see also 2.1.3.7).

2.2.43.3 List of collective entries

Subsidiary risk	Classification code	UN No.	Name of the substance or article
Substances which, in contact with water, emit flammable gases			
without subsidiary risk W	liquid W1	1389	ALKALI METAL AMALGAM, LIQUID
		1391	ALKALI METAL DISPERSION or
		1391	ALKALINE EARTH METAL DISPERSION
	solid W2^(a)	1392	ALKALINE EARTH METAL AMALGAM, LIQUID
		1420	POTASSIUM METAL ALLOYS, LIQUID
		1422	POTASSIUM SODIUM ALLOYS, LIQUID
		3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE
		1421	ALKALI METAL ALLOY, LIQUID, N.O.S.
		3148	WATER-REACTIVE LIQUID, N.O.S.
		1390	ALKALI METAL AMIDES
		3170	ALUMINIUM SMELTING BY-PRODUCTS or
		3170	ALUMINIUM REMELTING BY-PRODUCTS
		3401	ALKALI METAL AMALGAM, SOLID
	articles W3	3402	ALKALINE EARTH METAL AMALGAM, SOLID
		3403	POTASSIUM METAL ALLOYS, SOLID
		3404	POTASSIUM SODIUM ALLOYS, SOLID
		3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE
		1393	ALKALINE EARTH METAL ALLOY, N.O.S.
		1409	METAL HYDRIDES, WATER-REACTIVE, N.O.S.
		3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.
		2813	WATER-REACTIVE SOLID, N.O.S.
		3292	BATTERIES, CONTAINING SODIUM or
		3292	CELLS, CONTAINING SODIUM

Liquid, flammable	WF1	3482 ALKALI METAL DISPERSION, FLAMMABLE or 3482 ALKALINE EARTH METAL DISPERSION, FLAMMABLE 3399 ORGANOMETALLIC SUBSTANCE, LIQUID, WATER- REACTIVE, FLAMMABLE
Solid, flammable	WF2	3396 ORGANOMETALLIC SUBSTANCE, SOLID, WATER- REACTIVE, FLAMMABLE 3132 WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.
Solid, self-heating	WS^(b)	3397 ORGANOMETALLIC SUBSTANCE, SOLID, WATER- REACTIVE, SELF-HEATING 3209 METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S. 3135 WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.
Solid, oxidizing	WO	3133 WATER-REACTIVE SOLID, OXIDIZING, N.O.S. (not accepted for carriage, see 2.2.43.2)
Toxic WT	liquid WT1	3130 WATER-REACTIVE LIQUID, TOXIC, N.O.S.
	solid WT2	3134 WATER-REACTIVE SOLID, TOXIC, N.O.S.
Corrosive WC	liquid WC1	3129 WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.
	solid WC2	3131 WATER-REACTIVE SOLID, CORROSIVE, N.O.S.
Flammable, corrosive	WFC^(c)	2988 CHLOROSILANES, WATER-REACTIVE, FLAMMABLE, COR- ROSIVE, NO.S. (No other collective entry with this classification code available; if need be, classification under a collective entry with a classification code to be determined according to the table of precedence of hazard in 2.1.3.10.)

Footnotes

- (a) Metals and metal alloys which, in contact with water, do not emit flammable gases and are not pyrophoric or self-heating, but which are readily flammable, are substances of Class 4.1. Alkaline-earth metals and alkaline-earth metal alloys in pyrophoric form are substances of Class 4.2 Dust and powders of metals in pyrophoric form are substances of Class 4.2. Metals and metal alloys in pyrophoric form are substances of Class 4.2. Compounds of phosphorus with heavy metals such as iron, copper, etc. are not subject to the provisions of RID.
- (b) Metals and metal alloys in pyrophoric form are substances of Class 4.2.
- (c) Chlorosilanes, having a flash-point of less than 23 °C and which, in contact with water, do not emit flammable gases, are substances of Class 3. Chlorosilanes, having a flash-point equal to or greater than 23 °C and which, in contact with water, do not emit flammable gases, are substances of Class 8.

2.2.51 Class 5.1: Oxidizing substances**2.2.51.1 Criteria**

2.2.51.1.1 The heading of Class 5.1 covers substances which, while in themselves not necessarily combustible, may, generally by yielding oxygen, cause or contribute to the combustion of other material, and articles containing such substances.

2.2.51.1.2 The substances of Class 5.1 and articles containing such substances are subdivided as follows:

O Oxidizing substances without subsidiary risk or articles containing such substances:

O1 Liquid;

O2 Solid;

O3 Articles;

OF Oxidizing substances, solid, flammable;

OS Oxidizing substances, solid, self-heating;

OW Oxidizing substances, solid which, in contact with water, emit flammable gases;

OT Oxidizing substances, toxic:

OT1 Liquid;

OT2 Solid;

OC Oxidizing substances, corrosive:

OC1 Liquid;

OC2 Solid;

OTC Oxidizing substances, toxic, corrosive.

2.2.51.1.3 Substances and articles classified in Class 5.1 are listed in Table A of Chapter 3.2. The assignment of substances and articles not mentioned by name in Table A of Chapter 3.2 to the relevant entry of 2.2.51.3 in accordance with the provisions of Chapter 2.1 can be based on the tests, methods and criteria in 2.2.51.1.6 to 2.2.51.1.9 below and the Manual of Tests and Criteria, Part III, Section 34.4. In the event of divergence between test results and known experience, judgement based on known experience shall take precedence over test results.

2.2.51.1.4 If substances of Class 5.1, as a result of admixtures, come into different categories of risk from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures or solutions shall be assigned to the entries to which they belong on the basis of their actual degree of danger.

NOTE: For the classification of solutions and mixtures (such as preparations and wastes), see also Section 2.1.3.

2.2.51.1.5 On the basis of the test procedures in the Manual of Tests and Criteria, Part III, Section 34.4 and the criteria set out in 2.2.51.1.6 to 2.2.51.1.9 it may also be determined whether the nature of a substance mentioned by name in Table A of Chapter 3.2 is such that the substance is not subject to the provisions for this class.

Oxidizing solids***Classification***

2.2.51.1.6 When oxidizing solid substances not mentioned by name in Table A of Chapter 3.2 are assigned to one of the entries listed in 2.2.51.3 on the basis of the test procedure in accordance with the Manual of Tests and Criteria, Part III, sub-section 34.4.1, the following criteria shall apply:

A solid substance shall be assigned to Class 5.1 if, in the 4:1 or the 1:1 sample-to-cellulose ratio (by mass) tested, it ignites or burns or exhibits mean burning times equal to or less than that of a 3:7 mixture (by mass) of potassium bromate and cellulose.

Assignment of packing groups

2.2.51.1.7 Oxidizing solids classified under the various entries in Table A of Chapter 3.2 shall be assigned to packing groups I, II or III on the basis of test procedures of the Manual of Tests and Criteria, Part III, sub-section 34.4.1, in accordance with the following criteria:

(a) Packing group I: any substance which, in the 4:1 or 1:1 sample-to-cellulose ratio (by mass) tested, exhibits a mean burning time less than the mean burning time of a 3:2 mixture, by mass, of potassium bromate and cellulose;

(b) Packing group II: any substance which, in the 4:1 or 1:1 sample-to-cellulose ratio (by mass) tested, exhibits a mean burning time equal to or less than the mean burning time of a 2:3 mixture (by mass) of potassium bromate and cellulose and the criteria for packing group I are not met;

- (c) Packing group III: any substance which, in the 4:1 or 1:1 sample-to-cellulose ratio (by mass) tested, exhibits a mean burning time equal to or less than the mean burning time of a 3:7 mixture (by mass) of potassium bromate and cellulose and the criteria for packing groups I and II are not met.

Oxidizing liquids

Classification

- 2.2.51.1.8** When oxidizing liquid substances not mentioned by name in Table A of Chapter 3.2 are assigned to one of the entries listed in 2.2.51.3 on the basis of the test procedure in accordance with the Manual of Tests and Criteria, Part III, sub-section 34.4.2, the following criteria shall apply:

A liquid substance shall be assigned to Class 5.1 if, in the 1:1 mixture, by mass, of substance and cellulose tested, it exhibits a pressure rise of 2070 kPa gauge or more and a mean pressure rise time equal to or less than the mean pressure rise time of a 1:1 mixture, by mass, of 65% aqueous nitric acid and cellulose.

Assignment of packing groups

- 2.2.51.1.9** Oxidizing liquids classified under the various entries in Table A of Chapter 3.2 shall be assigned to packing groups I, II or III on the basis of test procedures of the Manual of Tests and Criteria, Part III, section 34.4.2, in accordance with the following criteria:

- (a) Packing group I: any substance which, in the 1:1 mixture, by mass, of substance and cellulose tested, spontaneously ignites; or the mean pressure rise time of a 1:1 mixture, by mass, of substance and cellulose is less than that of a 1:1 mixture, by mass, of 50% perchloric acid and cellulose;
- (b) Packing group II: any substance which, in the 1:1 mixture, by mass, of substance and cellulose tested, exhibits a mean pressure rise time less than or equal to the mean pressure rise time of a 1:1 mixture, by mass, of 40% aqueous sodium chlorate solution and cellulose; and the criteria for packing group I are not met;
- (c) Packing group III: any substance which, in the 1:1 mixture, by mass, of substance and cellulose tested, exhibits a mean pressure rise time less than or equal to the mean pressure rise time of a 1:1 mixture, by mass, of 65% aqueous nitric acid and cellulose; and the criteria for packing groups I and II are not met.

2.2.51.2 Substances not accepted for carriage

- 2.2.51.2.1** The chemically unstable substances of Class 5.1 shall not be accepted for carriage unless the necessary steps have been taken to prevent their dangerous decomposition or polymerization during carriage. To this end it shall in particular be ensured that receptacles and tanks do not contain any material liable to promote these reactions.

- 2.2.51.2.2** The following substances and mixtures shall not be accepted for carriage:

- Oxidizing solids, self-heating, assigned to UN No. 3100, oxidizing solids, water-reactive, assigned to UN No. 3121 and oxidizing solids, flammable, assigned to UN No. 3137, unless they meet the requirements for Class 1 (see also 2.1.3.7);
- Hydrogen peroxide, not stabilized or hydrogen peroxide, aqueous solutions, not stabilized containing more than 60% hydrogen peroxide;
- Tetranitromethane not free from combustible impurities;
- Perchloric acid solutions containing more than 72% (mass) acid, or mixtures of perchloric acid with any liquid other than water;
- Chloric acid solution containing more than 10% chloric acid or mixtures of chloric acid with any liquid other than water;
- Halogenated fluor compounds other than UN Nos. 1745 BROMINE PENTAFLUORIDE; 1746 BROMINE TRIFLUORIDE and 2495 IODINE PENTAFLUORIDE of Class 5.1 as well as UN Nos. 1749 CHLORINE TRIFLUORIDE and 2548 CHLORINE PENTAFLUORIDE of Class 2;
- Ammonium chlorate and its aqueous solutions and mixtures of a chlorate with an ammonium salt;
- Ammonium chlorite and its aqueous solutions and mixtures of a chlorite with an ammonium salt;
- Mixtures of a hypochlorite with an ammonium salt;
- Ammonium bromate and its aqueous solutions and mixtures of a bromate with an ammonium salt;
- Ammonium permanganate and its aqueous solutions and mixtures of a permanganate with an ammonium salt;
- Ammonium nitrate containing more than 0.2% combustible substances (including any organic substance calculated as carbon) unless it is a constituent of a substance or article of Class 1;
- Fertilizers having an ammonium nitrate content (in determining the ammonium nitrate content, all nitrate ions for which a molecular equivalent of ammonium ions is present in the mixture shall be calculated as ammonium nitrate) or a content in combustible substances exceeding the values specified in special provision 307 except under the conditions applicable to Class 1;

- Ammonium nitrite and its aqueous solutions and mixtures of an inorganic nitrite with an ammonium salt;
- Mixtures of potassium nitrate, sodium nitrite and an ammonium salt.

2.2.51.3 List of collective entries

Subsidiary risk	Classification code	UN No.	Name of the substance or article
Oxidizing substances and articles containing such substances			
Without subsidiary risk O	liquid	O1	3210 CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.
			3211 PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.
			3213 BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.
			3214 PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.
			3216 PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.
Without subsidiary risk O	solid	O2	3218 NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.
			3219 NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.
			3139 OXIDIZING LIQUID, N.O.S.
			1450 BROMATES, INORGANIC, N.O.S.
			1461 CHLORATES, INORGANIC, N.O.S.
Without subsidiary risk O	solid	O2	1462 CHLORITES, INORGANIC, N.O.S.
			1477 NITRATES, INORGANIC, N.O.S.
			1481 PERCHLORATES, INORGANIC, N.O.S.
			1482 PERMANGANATES, INORGANIC, N.O.S.
			1483 PEROXIDES, INORGANIC, N.O.S.
Without subsidiary risk O	solid	O2	2627 NITRITES, INORGANIC, N.O.S.
			3212 HYPOCHLORITES, INORGANIC, N.O.S.
			3215 PERSULPHATES, INORGANIC, N.O.S.
			1479 OXIDIZING SOLID, N.O.S.
Without subsidiary risk O	articles	O3	3356 OXYGEN GENERATOR, CHEMICAL
Solid, flammable		OF	3137 OXIDIZING SOLID, FLAMMABLE, N.O.S. (not accepted for carriage, see 2.2.51.2)
Solid, self-heating		OS	3100 OXIDIZING SOLID, SELF-HEATING, N.O.S. (not accepted for carriage, see 2.2.51.2)
Solid, water reactive		OW	3121 OXIDIZING SOLID, WATER REACTIVE, N.O.S. (not accepted for carriage, see 2.2.51.2)
Toxic OT	liquid	OT1	3099 OXIDIZING LIQUID, TOXIC, N.O.S.
	solid	OT2	3087 OXIDIZING SOLID, TOXIC, N.O.S.
Corrosive OC	liquid	OC1	3098 OXIDIZING LIQUID, CORROSIVE, N.O.S.
	solid	OC2	3085 OXIDIZING SOLID, CORROSIVE, N.O.S.
Toxic, corrosive		OTC	(No collective entry with this classification code available; if need be, classification under a collective entry with a classification code to be determined according to the table of precedence of hazard in 2.1.3.10.)

2.2.52 Class 5.2: Organic peroxides**2.2.52.1 Criteria**

2.2.52.1.1 The heading of Class 5.2 covers organic peroxides and formulations of organic peroxides.

2.2.52.1.2 The substances of Class 5.2 are subdivided as follows:

P1 Organic peroxides, not requiring temperature control;

P2 Organic peroxides, requiring temperature control (not accepted for carriage by rail).

Definition

2.2.52.1.3 *Organic peroxides* are organic substances which contain the bivalent -O-O- structure and may be considered derivatives of hydrogen peroxide, where one or both of the hydrogen atoms have been replaced by organic radicals.

Properties

2.2.52.1.4 Organic peroxides are liable to exothermic decomposition at normal or elevated temperatures. The decomposition can be initiated by heat, contact with impurities (e.g. acids, heavy-metal compounds, amines), friction or impact. The rate of decomposition increases with temperature and varies with the organic peroxide formulation. Decomposition may result in the evolution of harmful, or flammable, gases or vapours. Some organic peroxides may decompose explosively, particularly if confined. This characteristic may be modified by the addition of diluents or by the use of appropriate packagings. Many organic peroxides burn vigorously. Contact of organic peroxides with the eyes is to be avoided. Some organic peroxides will cause serious injury to the cornea, even after brief contact, or will be corrosive to the skin.

NOTE: Test methods for determining the flammability of organic peroxides are set out in the Manual of Tests and Criteria, Part III, sub-section 32.4. Because organic peroxides may react vigorously when heated, it is recommended to determine their flash-point using small sample sizes such as described in ISO 3679:1983.

Classification

2.2.52.1.5 Any organic peroxide shall be considered for classification in Class 5.2 unless the organic peroxide formulation contains:

(a) Not more than 1.0% available oxygen from the organic peroxides when containing not more than 1.0% hydrogen peroxide;

(b) Not more than 0.5% available oxygen from the organic peroxides when containing more than 1.0% but not more than 7.0% hydrogen peroxide.

NOTE: The available oxygen content (%) of an organic peroxide formulation is given by the formula

$$16 \times \sum (n_i \times c_i / m_i)$$

where:

n_i = number of peroxygen groups per molecule of organic peroxide i ;

c_i = concentration (mass %) of organic peroxide i ; and

m_i = molecular mass of organic peroxide i .

2.2.52.1.6 Organic peroxides are classified into seven types according to the degree of danger they present. The types of organic peroxide range from type A, which is not accepted for carriage in the packaging in which it is tested, to type G, which is not subject to the provisions of Class 5.2. The classification of types B to F is directly related to the maximum quantity allowed in one packaging. The principles to be applied to the classification of substances not listed in 2.2.52.4 are set out in the Manual of Tests and Criteria, Part II.

2.2.52.1.7 Organic peroxides which have already been classified and are already permitted for carriage in packagings are listed in 2.2.52.4, those already permitted for carriage in IBCs are listed in 4.1.4.2, packing instruction IBC520 and those already permitted for carriage in tanks in accordance with Chapters 4.2 and 4.3 are listed in 4.2.5.2, portable tank instruction T23. Each permitted substance listed is assigned to a generic entry of Table A of Chapter 3.2 (UN Nos. 3101 to 3120) and appropriate subsidiary risks and remarks providing relevant transport information are given.

These generic entries specify:

- the type (B to F) of organic peroxide (see 2.2.52.1.6 above);
- physical state (liquid/solid).

Mixtures of these formulations may be classified as the same type of organic peroxide as that of the most dangerous component and be carried under the conditions of carriage given for this type. However, as two stable components can form a thermally less stable mixture, the self-accelerating decomposition temperature (SADT) of the mixture shall be determined.

2.2.52.1.8 Classification of organic peroxides, formulations or mixtures of organic peroxides not listed in 2.2.52.4, 4.1.4.2, packing instruction IBC520 or 4.2.5.2, portable tank instruction T23, and assignment to a collective entry shall be made by the competent authority of the country of origin. The statement of approval shall contain the classification and the relevant conditions of carriage. If the country of origin is not an RID Contracting State, the classification and conditions of carriage shall be recognized by the competent authority of the first RID Contracting State reached by the consignment.

2.2.52.1.9 Samples of organic peroxides or formulations of organic peroxides not listed in 2.2.52.4, for which a complete set of test results is not available and which are to be carried for further testing or evaluation, shall be assigned to one of the appropriate entries for organic peroxides type C provided the following conditions are met:

- the available data indicate that the sample would be no more dangerous than organic peroxides type B;
- the sample is packaged in accordance with packing method OP2 and the quantity per wagon is limited to 10 kg.

Samples requiring temperature control shall not be accepted for carriage by rail.

Desensitization of organic peroxides

2.2.52.1.10 In order to ensure safety during carriage, organic peroxides are in many cases desensitized by organic liquids or solids, inorganic solids or water. Where a percentage of a substance is stipulated, this refers to the percentage by mass, rounded to the nearest whole number. In general, desensitization shall be such that, in case of spillage, the organic peroxide will not concentrate to a dangerous extent.

2.2.52.1.11 Unless otherwise stated for the individual organic peroxide formulation, the following definition(s) shall apply to diluents used for desensitization:

- diluents type A are organic liquids which are compatible with the organic peroxide and which have a boiling point of not less than 150 °C. Type A diluents may be used for desensitizing all organic peroxides.
- diluents type B are organic liquids which are compatible with the organic peroxide and which have a boiling point of less than 150 °C but not less than 60 °C and a flash-point of not less than 5 °C.

Type B diluents may be used for desensitization of all organic peroxides, provided that the boiling point of the liquid is at least 60 °C higher than the SADT in a 50 kg package.

2.2.52.1.12 Diluents, other than type A or type B, may be added to organic peroxide formulations as listed in 2.2.52.4, provided that they are compatible. However, replacement of all or part of a type A or type B diluent by another diluent with differing properties requires that the organic peroxide formulation be re-assessed in accordance with the normal acceptance procedure for Class 5.2.

2.2.52.1.13 Water may only be used for the desensitization of organic peroxides which are listed in 2.2.52.4 or in the competent authority decision according to 2.2.52.1.8 as being "with water" or "as a stable dispersion in water". Samples of organic peroxides or formulations of organic peroxides not listed in 2.2.52.4 may also be desensitized with water provided the requirements of 2.2.52.1.9 are met.

2.2.52.1.14 Organic and inorganic solids may be used for desensitization of organic peroxides, provided that they are compatible. Compatible liquids and solids are those which have no detrimental influence on the thermal stability and hazard type of the organic peroxide formulation.

2.2.52.1.15 –

2.2.52.1.18 (Reserved)

2.2.52.2 Substances not accepted for carriage

The following organic peroxides shall not be accepted for carriage under the requirements of Class 5.2:

- Organic peroxides, type A (see Manual of Tests and Criteria, Part II, paragraph 20.4.3 (a)).

The following organic peroxides requiring temperature control are not to be accepted for carriage by rail:

- Organic peroxides, types B and C with an SADT ≤ 50 °C:
 - UN 3111 ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED;
 - UN 3112 ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED;
 - UN 3113 ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED;
 - UN 3114 ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED;
- Organic peroxides type D showing a violent or medium effect when heated under confinement with an SADT ≤ 50 °C or showing a low or no effect when heated under confinement with an SADT ≤ 45 °C:
 - UN 3115 ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED;
 - UN 3116 ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED;

- Organic peroxides types E and F with an SADT ≤ 45 °C:
 - UN 3117 ORGANIC PEROXIDE TYPE E, LIQUID, TEMPERATURE CONTROLLED;
 - UN 3118 ORGANIC PEROXIDE TYPE E, SOLID, TEMPERATURE CONTROLLED;
 - UN 3119 ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED;
 - UN 3120 ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED

2.2.52.3 List of collective entries

Classification code		UN No.	Name of the substance or article
Organic peroxides			
Not requiring temperature control	P1		ORGANIC PEROXIDE TYPE A, LIQUID (not accepted for carriage, see 2.2.52.2)
			ORGANIC PEROXIDE TYPE A, SOLID (not accepted for carriage, see 2.2.52.2)
		3101	ORGANIC PEROXIDE TYPE B, LIQUID
		3102	ORGANIC PEROXIDE TYPE B, SOLID
		3103	ORGANIC PEROXIDE TYPE C, LIQUID
		3104	ORGANIC PEROXIDE TYPE C, SOLID
		3105	ORGANIC PEROXIDE TYPE D, LIQUID
		3106	ORGANIC PEROXIDE TYPE D, SOLID
		3107	ORGANIC PEROXIDE TYPE E, LIQUID
		3108	ORGANIC PEROXIDE TYPE E, SOLID
		3109	ORGANIC PEROXIDE TYPE F, LIQUID
		3110	ORGANIC PEROXIDE TYPE F, SOLID
Requiring temperature control	P2		ORGANIC PEROXIDE TYPE G, LIQUID (not subject to the provisions applicable to Class 5.2, see 2.2.52.1.6)
			ORGANIC PEROXIDE TYPE G, SOLID (not subject to the provisions applicable to Class 5.2, see 2.2.52.1.6)
		3111	ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.52.2)
		3112	ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.52.2)
		3113	ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.52.2)
		3114	ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.52.2)
		3115	ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.52.2)
		3116	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.52.2)
		3117	ORGANIC PEROXIDE TYPE E, LIQUID, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.52.2)
		3118	ORGANIC PEROXIDE TYPE E, SOLID, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.52.2)
		3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.52.2)
		3120	ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED (not accepted for carriage by rail, see 2.2.52.2)

2.2.52.4 List of currently assigned organic peroxides in packagings

In the column "Packing Method", codes "OP1" to "OP8" refer to packing methods in 4.1.4.1 packing instruction P520 (see also 4.1.7.1). Organic peroxides to be carried shall fulfil the classification as listed. For substances permitted in IBCs, see 4.1.4.2, packing instruction IBC520 and, for those permitted in tanks according to Chapters 4.2 and 4.3, see 4.2.5.2, portable tank instruction T23.

Organic peroxide	Concentration (%)	Diluent type A (%)	Diluent type B (%) ¹	Inert solid (%)	Water	Packing method	Number (generic entry)	Subsidiary risks and remarks
ACETYL ACETONE PEROXIDE	≤ 42	≥ 48			≥ 8	OP7	3105	(2)
"	≤ 32 as a paste					OP7	3106	(20)
ACETYL CYCLOHEXANESULPHONYL PEROXIDE	≤ 82				≥ 12		3112	prohibited
"	≤ 32		≥ 68				3115	prohibited
tert-AMYL HYDROPEROXIDE	≤ 88	≥ 6			≥ 6	OP8	3107	
tert-AMYL PEROXYACETATE	≤ 62	≥ 38				OP7	3105	
tert-AMYL PEROXYBENZOATE	≤ 100					OP5	3103	
tert-AMYL PEROXY-2-ETHYLHEXANOATE	≤ 100						3115	prohibited
tert-AMYL PEROXY-2-ETHYLHEXYL CARBONATE	≤ 100					OP7	3105	
tert-AMYL PEROXY ISOPROPYL CARBONATE	≤ 77	≥ 23				OP5	3103	
tert-AMYL PEROXYNEODECANOATE	≤ 77		≥ 23				3115	prohibited
"	≤ 47	≥ 53					3119	prohibited
tert-AMYL PEROXYPIVALATE	≤ 77		≥ 23				3113	prohibited
tert-AMYL PEROXY-3,5,5-TRIMETHYLHEXANOATE	≤ 100					OP7	3105	
tert-BUTYL CUMYL PEROXIDE	> 42 – 100					OP8	3107	
"	≤ 52			≥ 48		OP8	3108	
n-BUTYL-4,4-DI-(tert-BUTYLPEROXY) VALERATE	> 52 – 100					OP5	3103	
"	≤ 52			≥ 48		OP8	3108	
tert-BUTYL HYDROPEROXIDE	> 79 – 90				≥ 10	OP5	3103	(13)
"	≤ 80	≥ 20				OP7	3105	(4) (13)
"	≤ 79				> 14	OP8	3107	(13) (23)

Organic peroxide	Concentration (%)	Diluent type A (%)	Diluent type B (%) ¹	Inert solid (%)	Water	Packing method	Number (generic entry)	Subsidiary risks and remarks
"	≤ 72				≥ 28	OP8	3109	(13)
tert-BUTYL HYDROPEROXIDE + DI-tert-BUTYL PEROXIDE	< 82 + > 9				≥ 7	OP5	3103	(13)
tert-BUTYL MONOPEROXYMALEATE	> 52 – 100					OP5	3102	(3)
"	≤ 52	≥ 48				OP6	3103	
"	≤ 52			≥ 48		OP8	3108	
"	≤ 52 as a paste					OP8	3108	
tert-BUTYL PEROXYACETATE	> 52 – 77	≥ 23				OP5	3101	(3)
"	> 32 – 52	≥ 48				OP6	3103	
"	≤ 32		≥ 68			OP8	3109	
tert-BUTYL PEROXYBENZOATE	> 77 – 100					OP5	3103	
"	> 52 – 77	≥ 23				OP7	3105	
"	≤ 52			≥ 48		OP7	3106	
tert-BUTYL PEROXYBUTYL FUMARATE	≤ 52	≥ 48				OP7	3105	
tert-BUTYL PEROXYCROTONATE	≤ 77	≥ 23				OP7	3105	
tert-BUTYL PEROXYDIETHYLACETATE	≤ 100						3113	prohibited
tert-BUTYL PEROXY-2-ETHYLHEXANOATE	> 52 – 100						3113	prohibited
"	> 32 – 52		≥ 48				3117	prohibited
"	≤ 32			≥ 48			3118	prohibited
"	≤ 32		≥ 68				3119	prohibited
tert-BUTYL PEROXY-2-ETHYLHEXANOATE +	≤ 12 + ≤ 14	≥ 14		≥ 60		OP7	3106	

Organic peroxide	Concentration (%)	Diluent type A (%)	Diluent type B (%) ¹	Inert solid (%)	Water	Packing method	Number (generic entry)	Subsidiary risks and remarks
2,2-DI-(tert-BUTYLPEROXY)BUTANE								
"	≤ 31 + ≤ 36		≥ 33				3115	prohibited
tert-BUTYL PEROXY-2-ETHYLHEXYLCARBONATE	≤ 100					OP7	3105	
tert-BUTYL PEROXYISOBUTYRATE	> 52 – 77		≥ 23				3111	prohibited
"	≤ 52		≥ 48				3115	prohibited
tert-BUTYLPEROXY ISOPROPYLCARBONATE	≤ 77	≥ 23				OP5	3103	
1-(2-tert-BUTYLPEROXY ISOPROPYL)-3-ISOPROPENYLBENZENE	≤ 77	≥ 23				OP7	3105	
"	≤ 42			≥ 58		OP8	3108	
tert-BUTYL PEROXY-2-METHYLBENZOATE	≤ 100					OP5	3103	
tert-BUTYL PEROXYNEODECANOATE	> 77 – 100						3115	prohibited
"	≤ 77	≥ 23					3115	prohibited
"	≤ 52 as a stable dispersion in water						3119	prohibited
"	≤ 42 as a stable dispersion in water (frozen)						3118	prohibited
"	≤ 32	≥ 68					3119	prohibited
tert-BUTYL PEROXYNEOHEPTANOATE	≤ 77	≥ 23					3115	prohibited
"	≤ 42 as a stable dispersion in water						3117	prohibited
tert-BUTYL PEROXYPIVALATE	> 67 – 77	≥ 23					3113	prohibited

Organic peroxide	Concentration (%)	Diluent type A (%)	Diluent type B (%) ¹	Inert solid (%)	Water	Packing method	Number (generic entry)	Subsidiary risks and remarks
"	> 27 – 67		≥ 33				3115	prohibited
"	≤ 27		≥ 73				3119	prohibited
tert-BUTYL PEROXY STEARYLCARBONATE	≤ 100					OP7	3106	
tert-BUTYL PEROXY-3,5-TRIMETHYLHEXANOATE	> 32 – 100					OP7	3105	
"	≤ 42			≥ 58		OP7	3106	
"	≤ 32		≥ 68			OP8	3109	
3-CHLOROPEROXYBENZOIC ACID	> 57 – 86			≥ 14		OP1	3102	(3)
"	≤ 57			≥ 3	≥ 40	OP7	3106	
"	≤ 77			≥ 6	≥ 17	OP7	3106	
CUMYL HYDROPEROXIDE	> 90 – 98	≤ 10				OP8	3107	(13)
"	≤ 90	≥ 10				OP8	3109	(13) (18)
CUMYL PEROXYNEODECANOATE	≤ 87	≥ 13					3115	prohibited
"	≤ 77		≥ 23				3115	prohibited
"	≤ 52 as a stable dispersion in water						3119	prohibited
CUMYL PEROXYNEOHEPTANOATE	≤ 77	≥ 23					3115	prohibited
CUMYL PEROXYPIVALATE	≤ 77		≥ 23				3115	prohibited
CYCLOHEXANONE PEROXIDE(S)	≤ 91				≥ 9	OP6	3104	(13)
"	≤ 72	≥ 28				OP7	3105	(5)
"	≤ 72 as a paste					OP7	3106	(5) (20)

Organic peroxide	Concentration (%)	Diluent type A (%)	Diluent type B (%) ¹	Inert solid (%)	Water	Packing method	Number (generic entry)	Subsidiary risks and remarks
"	≤ 32			≥ 68			exempt	(29)
([3R-(3R,5aS,6S,8aS,9R,10R,12S,12aR**)]-DECAHYDRO-10-METHOXY-3,6,9-TRIMETHYL-3,12-EPOXY-12H-PYRANO[4,3-j]-1,2-BENZODIOXEPIN)	≤ 100					OP7	3106	
DIACETONE ALCOHOL PEROXIDES	≤ 57		≥ 26		≥ 8		3115	prohibited
DIACETYL PEROXIDE	≤ 27		≥ 73				3115	prohibited
DI-tert-AMYL PEROXIDE	≤ 100					OP8	3107	
2,2-DI-(tert-AMYLPEROXY)-BUTANE	≤ 57	≥ 43				OP7	3105	
1,1-DI-(tert-AMYLPEROXY)CYCLOHEXANE	≤ 82	≥ 18				OP6	3103	
DIBENZOYL PEROXIDE	> 51 – 100			≤ 48		OP2	3102	(3)
"	> 77 – 94				≥ 6	OP4	3102	(3)
"	≤ 77				≥ 23	OP6	3104	
"	≤ 62			≥ 28	≥ 10	OP7	3106	
"	> 52 – 62 as a paste					OP7	3106	(20)
"	> 35 – 52			≥ 48		OP7	3106	
"	> 36 – 42	≥ 18			≤ 40	OP8	3107	
"	≤ 56.5 as a paste				≥ 15	OP8	3108	
"	≤ 52 as a paste					OP8	3108	(20)
"	≤ 42 as a stable dispersion in water					OP8	3109	
"	≤ 35			≥ 65			exempt	(29)

Organic peroxide	Concentration (%)	Diluent type A (%)	Diluent type B (%) ¹	Inert solid (%)	Water	Packing method	Number (generic entry)	Subsidiary risks and remarks
DI-(4-tert-BUTYLCYCLOHEXYL)-PEROXYDICARBONATE	≤ 100						3114	prohibited
"	≤ 42 as a stable dispersion in water						3119	prohibited
DI-tert-BUTYL PEROXIDE	> 52 – 100					OP8	3107	
"	≤ 52		≥ 48			OP8	3109	(25)
DI-tert-BUTYL PEROXYAZELATE	≤ 52	≥ 48				OP7	3105	
2,2-DI-(tert-BUTYLPEROXY)BUTANE	≤ 52	≥ 48				OP6	3103	
1,6-DI-(tert-BUTYLPEROXY-CARBONYLOXY) HEXANE	≤ 72	≥ 28				OP5	3103	
1,1-DI-(tert-BUTYLPEROXY) CYCLOHEXANE	> 80 – 100					OP5	3101	(3)
"	≤ 72		≥ 28			OP5	3103	(30)
"	> 52 – 80	≥ 20				OP5	3103	
"	> 42 – 52	≥ 48				OP7	3105	
"	≤ 42	≥ 13		≥ 45		OP7	3106	
"	≤ 42	≥ 58				OP8	3109	
"	≤ 27	≥ 25				OP8	3107	(21)
"	≤ 13	≥ 13	≥ 74			OP8	3109	
1,1-DI-(tert-BUTYLPEROXY) CYCLOHEXANE + tert-BUTYL PEROXY-2-ETHYLHEXANOATE	≤ 43 + ≤ 16	≥ 41				OP7	3105	
DI-n-BUTYL PEROXYDICARBONATE	> 27 – 52		≥ 48				3115	prohibited
"	≤ 27		≥ 73				3117	prohibited

Organic peroxide	Concentration (%)	Diluent type A (%)	Diluent type B (%)	Inert solid (%)	Water	Packing method	Number (generic entry)	Subsidiary risks and remarks
"	≤ 42 as a stable dispersion in water (frozen)						3118	prohibited
DI-sec-BUTYL PEROXYDICARBONATE	> 52 – 100						3113	prohibited
"	≤ 52		≥ 48				3115	prohibited
DI-(tert-BUTYL PEROXYISOPROPYL)BENZENE(S)	> 42 – 100			≤ 57		OP7	3106	
"	≤ 42			≥ 58			exempt	(29)
DI-(tert-BUTYL PEROXY) PHTHALATE	> 42 – 52	≥ 48				OP7	3105	
"	≤ 52 as a paste					OP7	3106	(20)
"	≤ 42	≥ 58				OP8	3107	
2,2-DI-(tert-BUTYL PEROXY) PROPANE	≤ 52	≥ 48				OP7	3105	
"	≤ 42	≥ 13		≥ 45		OP7	3106	
1,1-DI-(tert-BUTYL PEROXY)-3,3,5-TRIMETHYLCYCLOHEXANE	> 90 – 100					OP5	3101	(3)
"	≤ 90		≥ 10			OP5	3103	(30)
"	> 57 – 90	≥ 10				OP5	3103	
"	≤ 77		≥ 23			OP5	3103	
"	≤ 57			≥ 43		OP8	3110	
"	≤ 57	≥ 43				OP8	3107	
"	≤ 32	≥ 26	≥ 42			OP8	3107	
DICETYL PEROXYDICARBONATE	≤ 100						3116	prohibited
"	≤ 42 as a stable dispersion in						3119	prohibited

Organic peroxide	Concentration (%)	Diluent type A (%)	Diluent type B (%) ¹	Inert solid (%)	Water	Packing method	Number (generic entry)	Subsidiary risks and remarks
	water							
DI-4-CHLOROBENZOYL PEROXIDE	≤ 77				≥ 23	OP5	3102	(3)
"	≤ 52 as a paste					OP7	3106	(20)
"	≤ 32			≥ 68			exempt	(29)
DICUMYL PEROXIDE	> 52 – 100					OP8	3110	(12)
"	≤ 52			≥ 48			exempt	(29)
DICYCLOHEXYL PEROXYDICARBONATE	> 91 – 100						3112	prohibited
"	≤ 91				≥ 9		3114	prohibited
"	≤ 42 as a stable dispersion in water						3119	prohibited
DIDECANOYL PEROXIDE	≤ 100						3114	prohibited
2,2-DI-(4,4-DI (tert-BUTYL PEROXY) CYCLOHEXYL) PROPANE	≤ 42			≥ 58		OP7	3106	
"	≤ 22		≥ 78			OP8	3107	
DI-2,4-DICHLOROBENZOYL PEROXIDE	≤ 77				≥ 23	OP5	3102	(3)
"	≤ 52 as a paste						3118	prohibited
"	≤ 52 as a paste with silicon oil					OP7	3106	
DI-(2-ETHOXYETHYL) PEROXYDICARBONATE	≤ 52		≥ 48				3115	prohibited
DI-(2-ETHYLHEXYL) PEROXYDICARBONATE	> 77 – 100						3113	prohibited
"	≤ 77		≥ 23				3115	prohibited
"	≤ 62 as a stable						3119	prohibited

Organic peroxide	Concentration (%)	Diluent type A (%)	Diluent type B (%) ¹	Inert solid (%)	Water	Packing method	Number (generic entry)	Subsidiary risks and remarks
	dispersion in water							
"	≤ 52 as a stable dispersion in water (frozen)						3120	prohibited
2,2-DIHYDROPEROXYPROPANE	≤ 27			≥ 73		OP5	3102	(3)
DI-(1-HYDROXYCYCLOHEXYL) PEROXIDE	≤ 100					OP7	3106	
DIISOBUTYRYL PEROXIDE	> 32 – 52		≥ 48				3111	prohibited
"	≤ 32		≥ 68				3115	prohibited
DI-ISOPROPYL BENZENE DIHYDROPEROXIDE	≤ 82	≥ 5			≥ 5	OP7	3106	(24)
DIISOPROPYL PEROXYDICARBONATE	> 52 – 100						3112	prohibited
"	≤ 52		≥ 48				3115	prohibited
"	≤ 32	≥ 68					3115	prohibited
DILAULOYL PEROXIDE	≤ 100					OP7	3106	
"	≤ 42 as a stable dispersion in water					OP8	3109	
DI-(3-METHOXYBUTYL) PEROXYDICARBONATE	≤ 52		≥ 48				3115	prohibited
DI-(2-METHYLBENZOYL) PEROXIDE	≤ 87				≥ 13		3112	prohibited
DI-(4-METHYLBENZOYL) PEROXIDE	≤ 52 as a paste with silicon oil					OP7	3106	
DI-(3-METHYLBENZOYL) PEROXIDE + BENZOYL (3-METHYLBENZOYL) PEROXIDE + DIBENZOYL PEROXIDE	≤ 20 + ≤ 18 + ≤ 4		≥ 58				3115	prohibited
2,5-DIMETHYL-2,5-DI-(BENZOYLPEROXY) HEXANE	> 82 – 100					OP5	3102	(3)

Organic peroxide	Concentration (%)	Diluent type A (%)	Diluent type B (%) ¹	Inert solid (%)	Water	Packing method	Number (generic entry)	Subsidiary risks and remarks
"	≤ 82			≥ 18		OP7	3106	
"	≤ 82				≥ 18	OP5	3104	
2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY) HEXANE	> 90 – 100					OP5	3103	
"	> 52 – 90	≥ 10				OP7	3105	
"	≤ 77			≥ 23		OP8	3108	
"	≤ 52	≥ 48				OP8	3109	
"	≤ 47 as a paste					OP8	3108	
2,5-DIMETHYL-2,5-DI-(tert-BUTYLPEROXY) HEXYNE-3	> 86 – 100					OP5	3101 (3)	
"	> 52 – 86	≥ 14				OP5	3103 (26)	
"	≤ 52			≥ 48		OP7	3106	
2,5-DIMETHYL-2,5-DI-(2-ETHYLHEXANOYLPEROXY) HEXANE	≤ 100						3113	prohibited
2,5-DIMETHYL-2,5-DIHYDROPEROXYHEXANE	≤ 82				≥ 18	OP6	3104	
2,5-DIMETHYL-2,5-DI-(3,5,5-TRIMETHYLHEXANOYLPEROXY) HEXANE	≤ 77	≥ 23				OP7	3105	
1,1-DIMETHYL-3-HYDROXYBUTYLPEROXYNEOHEPTANOATE	≤ 52	≥ 48					3117	prohibited
DIMYRISTYL PEROXYDICARBONATE	≤ 100						3116	prohibited
"	≤ 42 as a stable dispersion in water						3119	prohibited
DI-(2-NEODECANOYLPEROXYISOPROPYL) BENZENE	≤ 52	≥ 48					3115	prohibited

Organic peroxide	Concentration (%)	Diluent type A (%)	Diluent type B (%) ¹	Inert solid (%)	Water	Packing method	Number (generic entry)	Subsidiary risks and remarks
DI-n-NONANOYL PEROXIDE	≤ 100						3116	prohibited
DI-n-OCTANOYL PEROXIDE	≤ 100						3114	prohibited
DI-(2-PHENOXYETHYL) PEROXYDICARBONATE	> 85 – 100					OP5	3102	(3)
"	≤ 85				≥ 15	OP7	3106	
DIPROPIONYL PEROXIDE	≤ 27		≥ 73				3117	prohibited
DI-n-PROPYL PEROXYDICARBONATE	≤ 100						3113	prohibited
"	≤ 77		≥ 23				3113	prohibited
DISUCCINIC ACID PEROXIDE	> 72 – 100					OP4	3102	(3) (17)
"	≤ 72				≥ 28		3116	prohibited
DI-(3,5,5-TRIMETHYLHEXANOYL) PEROXIDE	> 52 – 82	≥ 18					3115	prohibited
"	> 38 – 52	≥ 48					3119	prohibited
"	≤ 52 as a stable dispersion in water						3119	prohibited
"	≤ 38	≥ 62					3119	prohibited
ETHYL 3,3-DI-(tert-AMYLPEROXY) BUTYRATE	≤ 67	≥ 33				OP7	3105	
ETHYL 3,3-DI-(tert-BUTYLPEROXY) BUTYRATE	> 77 – 100					OP5	3103	
"	≤ 77	≥ 23				OP7	3105	
"	≤ 52			≥ 48		OP7	3106	
1-(2-ETHYLHEXANOYL-PEROXY)-1,3-DIMETHYLBUTYL PEROXYPIVALATE	≤ 52	≥ 45	≥ 10				3115	prohibited
tert-HEXYL PEROXYNEODECANOATE	≤ 71	≥ 29					3115	prohibited
tert-HEXYL PEROXYPIVALATE	≤ 72		≥ 28				3115	prohibited

Organic peroxide	Concentration (%)	Diluent type A (%)	Diluent type B (%) ¹	Inert solid (%)	Water	Packing method	Number (generic entry)	Subsidiary risks and remarks
3-HYDROXY-1,1-DIMETHYLBUTYL PEROXYNEODECANOATE	≤ 77	≥ 23					3115	prohibited
"	≤ 52 as a stable dispersion in water						3119	prohibited
"	≤ 52	≥ 48					3117	prohibited
ISOPROPYL sec-BUTYL PEROXYDICARBONATE + DI-sec-BUTYL PEROXYDICARBONATE + DI-ISOPROPYL PEROXYDICARBONATE	≤ 32 + ≤ 15 – 18 + ≤ 12 – 15	≥ 38					3115	prohibited
"	≤ 52 + ≤ 28 + ≤ 22						3111	prohibited
ISOPROPYL CUMYL HYDROPEROXIDE	≤ 72	≥ 28				OP8	3109	(13)
p-MENTHYL HYDROPEROXIDE	> 72 – 100					OP7	3105	(13)
"	≤ 72	≥ 28				OP8	3109	(27)
METHYLCYCLOHEXANONE PEROXIDE(S)	≤ 67		≥ 33				3115	prohibited
METHYL ETHYL KETONE PEROXIDE(S)	see remark (8)	≥ 48				OP5	3101	(3) (8) (13)
"	see remark (9)	≥ 55				OP7	3105	(9)
"	see remark (10)	≥ 60				OP8	3107	(10)
METHYL ISOBUTYL KETONE PEROXIDE(S)	≤ 62	≥ 19				OP7	3105	(22)
METHYL ISOPROPYL KETONE PEROXIDE(S)	see remark (31)	≥ 70				OP8	3109	(31)
ORGANIC PEROXIDE, LIQUID, SAMPLE						OP2	3103	(11)
ORGANIC PEROXIDE, LIQUID, SAMPLE, TEMPERATURE CONTROLLED							3113	prohibited

Organic peroxide	Concentration (%)	Diluent type A (%)	Diluent type B (%) ¹	Inert solid (%)	Water	Packing method	Number (generic entry)	Subsidiary risks and remarks
ORGANIC PEROXIDE, SOLID, SAMPLE						OP2	3104	(11)
ORGANIC PEROXIDE, SOLID, SAMPLE, TEMPERATURE CONTROLLED							3114	prohibited
3,3,5,7,7-PENTAMETHYL-1,2,4-TRIOXEPANE	≤ 100					OP8	3107	
PEROXYACETIC ACID, TYPE D, stabilized	≤ 43					OP7	3105	(13) (14) (19)
PEROXYACETIC ACID, TYPE E, stabilized	≤ 43					OP8	3107	(13) (15) (19)
PEROXYACETIC ACID, TYPE F, stabilized	≤ 43					OP8	3109	(13) (16) (19)
PEROXYLAURIC ACID	≤ 100						3118	prohibited
PINANYL HYDROPEROXIDE	> 56 – 100					OP7	3105	(13)
"	≤ 56	≥ 44				OP8	3109	
POLYETHER POLY-tert-BUTYL PEROXYCARBONATE	≤ 52		≥ 48			OP8	3107	
1,1,3,3-TETRAMETHYLBUTYL HYDROPEROXIDE	≤ 100					OP7	3105	
1,1,3,3-TETRAMETHYLBUTYL PEROXY-2 ETHYLHEXANOATE	≤ 100						3115	prohibited
1,1,3,3-TETRAMETHYLBUTYL PEROXYNEODECANOATE	≤ 72		≥ 28				3115	prohibited
"	≤ 52 as a stable dispersion in water						3119	prohibited
1,1,3,3-TETRAMETHYL-BUTYL PEROXYPIVALATE	≤ 77	≥ 23					3115	prohibited
3,6,9-TRIETHYL-3,6,9-TRIMETHYL-1,4,7 TRIPEROXONANE	≤ 42	≥ 58				OP7	3105	(28)
"	≤ 17	≥ 18		≥ 65		OP8	3110	

Remarks (refer to the last column of the Table in 2.2.52.4):

- (1) Diluent type B may always be replaced by diluent type A. The boiling point of diluent type B shall be at least 60 °C higher than the SADT of the organic peroxide.
- (2) Available oxygen $\leq 4.7\%$.
- (3) "EXPLOSIVE" subsidiary risk label required (Model No.1, see 5.2.2.2.2).
- (4) Diluent may be replaced by di-tert-butyl peroxide.
- (5) Available oxygen $\leq 9\%$.
- (6) (Reserved)
- (7) (Reserved)
- (8) Available oxygen $> 10\%$ and $\leq 10.7\%$, with or without water.
- (9) Available oxygen $\leq 10\%$, with or without water.
- (10) Available oxygen $\leq 8.2\%$, with or without water.
- (11) See 2.2.52.1.9.
- (12) Up to 2 000 kg per receptacle assigned to ORGANIC PEROXIDE TYPE F on the basis of large scale trials.
- (13) "CORROSIVE" subsidiary risk label required (Model No.8, see 5.2.2.2.2).
- (14) Peroxyacetic acid formulations which fulfil the criteria of the Manual of Tests and Criteria, paragraph 20.4.3 (d).
- (15) Peroxyacetic acid formulations which fulfil the criteria of the Manual of Tests and Criteria, paragraph 20.4.3 (e).
- (16) Peroxyacetic acid formulations which fulfil the criteria of the Manual of Tests and Criteria, paragraph 20.4.3 (f).
- (17) Addition of water to this organic peroxide will decrease its thermal stability.
- (18) No "CORROSIVE" subsidiary risk label (Model No.8, see 5.2.2.2.2) required for concentrations below 80%.
- (19) Mixtures with hydrogen peroxide, water and acid(s).
- (20) With diluent type A, with or without water.
- (21) With $\geq 25\%$ diluent type A by mass, and in addition ethylbenzene.
- (22) With $\geq 19\%$ diluent type A by mass, and in addition methyl isobutyl ketone.
- (23) With $< 6\%$ di-tert-butyl peroxide.
- (24) With $\leq 8\%$ 1-isopropylhydroperoxy-4-isopropylhydroxybenzene.
- (25) Diluent type B with boiling point $> 110\text{ }^{\circ}\text{C}$.
- (26) With $< 0.5\%$ hydroperoxides content.
- (27) For concentrations more than 56%, "CORROSIVE" subsidiary risk label required (Model No.8, see 5.2.2.2.2).
- (28) Available active oxygen $\leq 7.6\%$ in diluent Type A having a 95% boil-off point in the range of $200\text{ }^{\circ}\text{C}$ – $260\text{ }^{\circ}\text{C}$.
- (29) Not subject to the requirements of RID for Class 5.2.
- (30) Diluent type B with boiling point $> 130\text{ }^{\circ}\text{C}$.
- (31) Active oxygen $\leq 6.7\%$.

2.2.61 Class 6.1: Toxic substances**2.2.61.1 Criteria**

2.2.61.1.1 The heading of Class 6.1 covers substances of which it is known by experience or regarding which it is presumed from experiments on animals that in relatively small quantities they are able by a single action or by action of short duration to cause damage to human health, or death, by inhalation, by cutaneous absorption or by ingestion.

NOTE: Genetically modified microorganisms and organisms shall be assigned to this Class if they meet the conditions for this Class.

2.2.61.1.2 Substances of Class 6.1 are subdivided as follows:

- T Toxic substances without subsidiary risk:
 - T1 Organic, liquid;
 - T2 Organic, solid;
 - T3 Organometallic substances;
 - T4 Inorganic, liquid;
 - T5 Inorganic, solid;
 - T6 Liquid, used as pesticides;
 - T7 Solid, used as pesticides;
 - T8 Samples;
 - T9 Other toxic substances;
- TF Toxic substances, flammable:
 - TF1 Liquid;
 - TF2 Liquid, used as pesticides;
 - TF3 Solid;
- TS Toxic substances, self-heating, solid;
- TW Toxic substances, which, in contact with water, emit flammable gases:
 - TW1 Liquid;
 - TW2 Solid;
- TO Toxic substances, oxidizing:
 - TO1 Liquid;
 - TO2 Solid;
- TC Toxic substances, corrosive:
 - TC1 Organic, liquid;
 - TC2 Organic, solid;
 - TC3 Inorganic, liquid;
 - TC4 Inorganic, solid;
- TFC Toxic substances, flammable, corrosive.
- TFW Toxic substances, flammable, which, in contact with water, emit flammable gases.

Definitions

2.2.61.1.3 For the purposes of RID:

LD₅₀ (median lethal dose) for acute oral toxicity is the statistically derived single dose of a substance that can be expected to cause death within 14 days in 50 per cent of young adult albino rats when administered by the oral route. The LD₅₀ value is expressed in terms of mass of test substance per mass of test animal (mg/kg);

LD₅₀ for acute dermal toxicity is that dose of the substance which, administered by continuous contact for 24 hours with the bare skin of albino rabbits, is most likely to cause death within 14 days in one half of the animals tested. The number of animals tested shall be sufficient to give a statistically significant result and be in conformity with good pharmacological practice. The result is expressed in milligrams per kg body mass;

LC₅₀ for acute toxicity on inhalation is that concentration of vapour, mist or dust which, administered by continuous inhalation to both male and female young adult albino rats for one hour, is most likely to cause death within 14 days in one half of the animals tested. A solid substance shall be tested if at least 10% (by mass) of its total mass is likely to be dust in a respirable range, e.g. the aerodynamic diameter of that particle-fraction is 10 µm or less. A liquid substance shall be tested if a mist is likely to be generated in a leakage of the transport containment. Both for solid and liquid substances more than 90% (by mass) of a

specimen prepared for inhalation toxicity shall be in the respirable range as defined above. The result is expressed in milligrams per litre of air for dusts and mists or in millilitres per cubic metre of air (parts per million) for vapours.

Classification and assignment of packing groups

2.2.61.1.4 Substances of Class 6.1 shall be classified in three packing groups according to the degree of danger they present for carriage, as follows:

- Packing group I: highly toxic substances
 Packing group II: toxic substances
 Packing group III: slightly toxic substances.

2.2.61.1.5 Substances, mixtures, solutions and articles classified in Class 6.1 are listed in Table A of Chapter 3.2. The assignment of substances, mixtures and solutions not mentioned by name in Table A of Chapter 3.2 to the relevant entry of 2.2.61.3 and to the relevant packing group in accordance with the provisions of Chapter 2.1, shall be made according to the following criteria in 2.2.61.1.6 to 2.2.61.1.11.

2.2.61.1.6 To assess the degree of toxicity, account shall be taken of human experience of instances of accidental poisoning, as well as special properties possessed by any individual substances: liquid state, high volatility, any special likelihood of cutaneous absorption, and special biological effects.

2.2.61.1.7 In the absence of observations on humans, the degree of toxicity shall be assessed using the available data from animal experiments in accordance with the table below:

	Packing group	Oral toxicity LD ₅₀ (mg/kg)	Dermal toxicity LD ₅₀ (mg/kg)	Inhalation toxicity by dusts and mists LC ₅₀ (mg/l)
Highly toxic	I	≤ 5	≤ 50	≤ 0.2
Toxic	II	> 5 and ≤ 50	> 50 and ≤ 200	> 0.2 and ≤ 2
Slightly toxic	III ^(a)	> 50 and ≤ 300	> 200 and ≤ 1 000	> 2 and ≤ 4

^(a) Tear gas substances shall be included in packing group II even if data concerning their toxicity correspond to packing group III criteria.

2.2.61.1.7.1 Where a substance exhibits different degrees of toxicity for two or more kinds of exposure, it shall be classified under the highest such degree of toxicity.

2.2.61.1.7.2 Substances meeting the criteria of Class 8 and with an inhalation toxicity of dusts and mists (LC₅₀) leading to packing group I shall only be accepted for an allocation to Class 6.1 if the toxicity through oral ingestion or dermal contact is at least in the range of packing groups I or II. Otherwise an assignment to Class 8 shall be made if appropriate (see 2.2.8.1.5).

2.2.61.1.7.3 The criteria for inhalation toxicity of dusts and mists are based on LC₅₀ data relating to 1-hour exposure, and where such information is available it shall be used. However, where only LC₅₀ data relating to 4-hour exposure are available, such figures can be multiplied by four and the product substituted in the above criteria, i.e. LC₅₀ value multiplied by four (4 hour) is considered the equivalent of LC₅₀ (1 hour).

Inhalation toxicity of vapours

2.2.61.1.8 Liquids giving off toxic vapours shall be classified into the following groups where "V" is the saturated vapour concentration (in ml/m³ of air) (volatility) at 20 °C and standard atmospheric pressure:

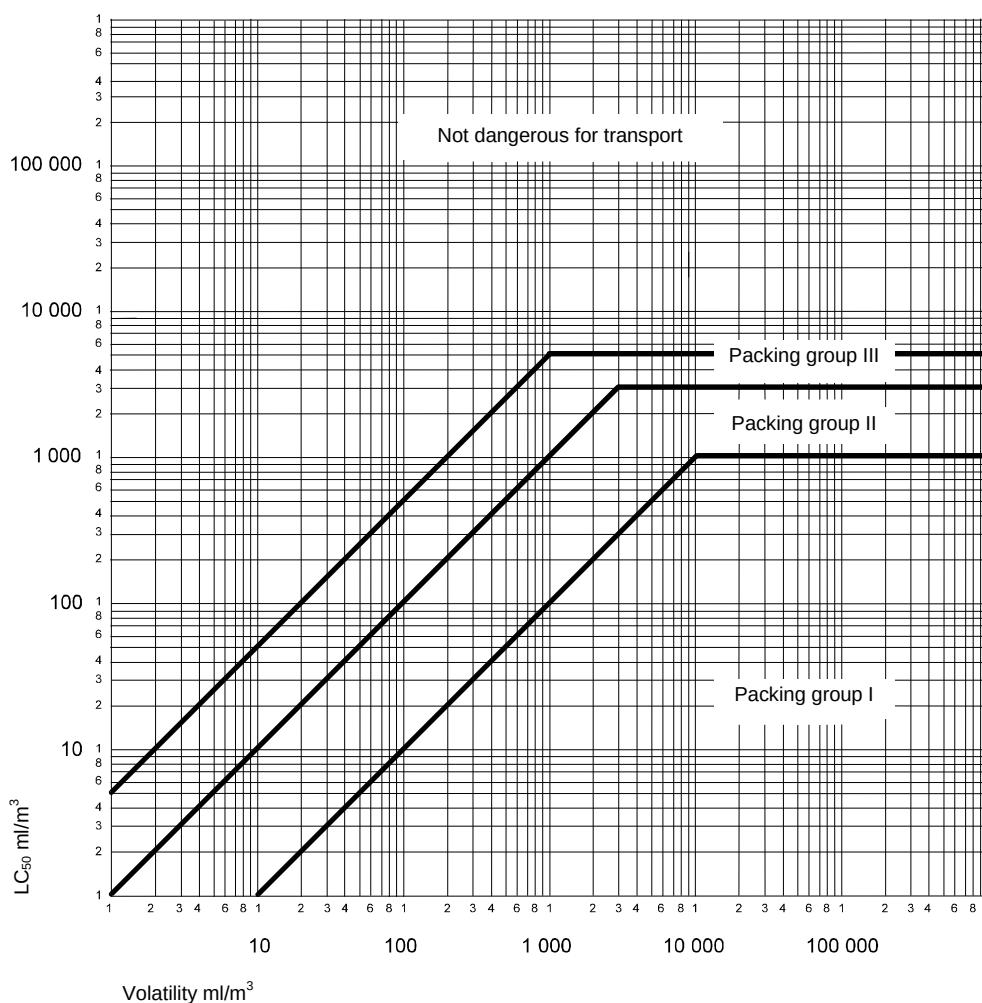
	Packing group	
Highly toxic	I	Where $V \geq 10 \text{ LC}_{50}$ and $\text{LC}_{50} \leq 1\,000 \text{ ml/m}^3$
Toxic	II	Where $V \geq \text{LC}_{50}$ and $\text{LC}_{50} \leq 3\,000 \text{ ml/m}^3$ and the criteria for packing group I are not met
Slightly toxic	III ^(a)	Where $V \geq 1/5 \text{ LC}_{50}$ and $\text{LC}_{50} \leq 5\,000 \text{ ml/m}^3$ and the criteria for packing groups I and II are not met

^(a) Tear gas substances shall be included in packing group II even if data concerning their toxicity correspond to packing group III criteria.

These criteria for inhalation toxicity of vapours are based on LC_{50} data relating to 1-hour exposure, and where such information is available, it shall be used.

However, where only LC_{50} data relating to 4-hour exposure to the vapours are available, such figures can be multiplied by two and the product substituted in the above criteria, i.e. LC_{50} (4 hour) $\times$ 2 is considered the equivalent of LC_{50} (1 hour).

Group borderlines inhalation toxicity of vapours



In this figure, the criteria are expressed in graphical form, as an aid to easy classification. However, due to approximations inherent in the use of graphs, substances falling on or near group borderlines shall be checked using numerical criteria.

Mixtures of liquids

2.2.61.1.9 Mixtures of liquids which are toxic on inhalation shall be assigned to packing groups according to the following criteria:

2.2.61.1.9.1 If LC_{50} is known for each of the toxic substances constituting the mixture, the packing group may be determined as follows:

(a) Calculation of the LC_{50} of the mixture:

$$LC_{50} (\text{mixture}) = \frac{1}{\sum_{i=1}^n \frac{f_i}{LC_{50i}}}$$

where

f_i = molar fraction of constituent i of the mixture;

LC_{50i} = average lethal concentration of constituent i in ml/m^3 .

- (b) Calculation of volatility of each mixture constituent:

$$V_i = P_i \times \frac{10^6}{101.3} \text{ (ml/m}^3\text{)}$$

where

P_i = partial pressure of constituent i in kPa at 20 °C and at standard atmospheric pressure.

- (c) Calculation of the ratio of volatility to LC_{50} :

$$R = \sum_{i=1}^n \frac{V_i}{LC_{50i}}$$

- (d) The values calculated for LC_{50} (mixture) and R are then used to determine the packing group of the mixture:

Packing group I: $R \geq 10$ and LC_{50} (mixture) $\leq 1\,000\text{ ml/m}^3$;

Packing group II: $R \geq 1$ and LC_{50} (mixture) $\leq 3\,000\text{ ml/m}^3$, if the mixture does not meet the criteria for packing group I;

Packing group III: $R \geq 1/5$ and LC_{50} (mixture) $\leq 5\,000\text{ ml/m}^3$, if the mixture does not meet the criteria of packing groups I or II.

2.2.61.1.9.2 In the absence of LC_{50} data on the toxic constituent substances, the mixture may be assigned to a group based on the following simplified threshold toxicity tests. When these threshold tests are used, the most restrictive group shall be determined and used for carrying the mixture.

2.2.61.1.9.3 A mixture is assigned to packing group I only if it meets both of the following criteria:

- (a) A sample of the liquid mixture is vaporized and diluted with air to create a test atmosphere of $1\,000\text{ ml/m}^3$ vaporized mixture in air. Ten albino rats (5 male and 5 female) are exposed to the test atmosphere for 1 hour and observed for 14 days. If five or more of the animals die within the 14-day observation period, the mixture is presumed to have an LC_{50} equal to or less than $1\,000\text{ ml/m}^3$;
- (b) A sample of vapour in equilibrium with the liquid mixture is diluted with 9 equal volumes of air to form a test atmosphere. Ten albino rats (5 male and 5 female) are exposed to the test atmosphere for 1 hour and observed for 14 days. If five or more of the animals die within the 14-day observation period, the mixture is presumed to have a volatility equal to or greater than 10 times the mixture LC_{50} .

2.2.61.1.9.4 A mixture is assigned to packing group II only if it meets both of the following criteria, and does not meet the criteria for packing group I:

- (a) A sample of the liquid mixture is vaporized and diluted with air to create a test atmosphere of $3\,000\text{ ml/m}^3$ vaporized mixture in air. Ten albino rats (5 male and 5 female) are exposed to the test atmosphere for 1 hour and observed for 14 days. If five or more of the animals die within the 14-day observation period, the mixture is presumed to have an LC_{50} equal to or less than $3\,000\text{ ml/m}^3$;
- (b) A sample of the vapour in equilibrium with the liquid mixture is used to form a test atmosphere. Ten albino rats (5 male and 5 female) are exposed to the test atmosphere for 1 hour and observed for 14 days. If five or more of the animals die within the 14-day observation period, the mixture is presumed to have a volatility equal to or greater than the mixture LC_{50} .

2.2.61.1.9.5 A mixture is assigned to packing group III only if it meets both of the following criteria, and does not meet the criteria for packing groups I or II:

- (a) A sample of the liquid mixture is vaporized and diluted with air to create a test atmosphere of $5\,000\text{ ml/m}^3$ vaporized mixture in air. Ten albino rats (5 male and 5 female) are exposed to the test atmosphere for 1 hour and observed for 14 days. If five or more of the animals die within the 14-day observation period, the mixture is presumed to have an LC_{50} equal to or less than $5\,000\text{ ml/m}^3$;
- (b) The vapour concentration (volatility) of the liquid mixture is measured and if the vapour concentration is equal to or greater than $1\,000\text{ ml/m}^3$, the mixture is presumed to have a volatility equal to or greater than $1/5$ the mixture LC_{50} .

Methods for determining oral and dermal toxicity of mixtures

2.2.61.1.10 When classifying and assigning the appropriate packing group to mixtures in Class 6.1 in accordance with the oral and dermal toxicity criteria (see 2.2.61.1.3), it is necessary to determine the acute LD_{50} of the mixture.

2.2.61.1.10.1 If a mixture contains only one active substance, and the LD_{50} of that constituent is known, in the absence of reliable acute oral and dermal toxicity data on the actual mixture to be carried, the oral or dermal LD_{50} may be obtained by the following method:

$$\text{LD}_{50} \text{ value of preparation} = \frac{\text{LD}_{50} \text{ value of active substance} \times 100}{\text{percentage of active substance by mass}}$$

2.2.61.1.10.2 If a mixture contains more than one active constituent, there are three possible approaches that may be used to determine the oral or dermal LD_{50} of the mixture. The preferred method is to obtain reliable acute oral and dermal toxicity data on the actual mixture to be carried. If reliable, accurate data are not available, then either of the following methods may be performed:

- (a) Classify the formulation according to the most hazardous constituent of the mixture as if that constituent were present in the same concentration as the total concentration of all active constituents; or
- (b) Apply the formula:

$$\frac{C_A}{T_A} + \frac{C_B}{T_B} + \dots + \frac{C_Z}{T_Z} = \frac{100}{T_M}$$

where:

C = the percentage concentration of constituent A, B, ..., Z in the mixture;

T = the oral LD_{50} values of constituent A, B, ..., Z;

T_M = the oral LD_{50} value of the mixture.

NOTE: This formula can also be used for dermal toxicities, provided that this information is available on the same species for all constituents. The use of this formula does not take into account any potentiation or protective phenomena.

Classification of pesticides

2.2.61.1.11 All active pesticide substances and their preparations for which the LC_{50} and/or LD_{50} values are known and which are classified in Class 6.1 shall be classified under appropriate packing groups in accordance with the criteria given in 2.2.61.1.6 to 2.2.61.1.9. Substances and preparations which are characterized by subsidiary risks shall be classified according to the precedence of hazard Table in 2.1.3.10 with the assignment of appropriate packing groups.

2.2.61.1.11.1 If the oral or dermal LD_{50} value for a pesticide preparation is not known, but the LD_{50} value of its active substance(s) is known, the LD_{50} value for the preparation may be obtained by applying the procedures in 2.2.61.1.10.

NOTE: LD_{50} toxicity data for a number of common pesticides may be obtained from the most current edition of the document "The WHO Recommended Classification of Pesticides by Hazard and Guidelines to Classification" available from the International Programme on Chemical Safety, World Health Organisation (WHO), 1211 Geneva 27, Switzerland. While that document may be used as a source of LD_{50} data for pesticides, its classification system shall not be used for purposes of transport classification of, or assignment of packing groups to, pesticides, which shall be in accordance with the requirements of RID.

2.2.61.1.11.2 The proper shipping name used in the carriage of the pesticide shall be selected on the basis of the active ingredient, of the physical state of the pesticide and any subsidiary risks it may exhibit (see 3.1.2).

2.2.61.1.12 If substances of Class 6.1, as a result of admixtures, come into categories of risk different from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures or solutions shall be assigned to the entries to which they belong on the basis of their actual degree of danger.

NOTE: For the classification of solutions and mixtures (such as preparations and wastes), see also 2.1.3.

2.2.61.1.13 On the basis of the criteria of 2.2.61.1.6 to 2.2.61.1.11, it may also be determined whether the nature of a solution or mixture mentioned by name or containing a substance mentioned by name is such that the solution or mixture is not subject to the requirements for this Class.

2.2.61.1.14 Substances, solutions and mixtures, with the exception of substances and preparations used as pesticides, which do not meet the criteria of Directives 67/548/EEC⁴ or 1999/45/EC⁵ as amended and which are not therefore classified as highly toxic, toxic or harmful according to these directives, as amended, may be considered as substances not belonging to Class 6.1.

⁴ Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (Official Journal of the European Communities No. L 196 of 16 August 1967, page 1).

⁵ Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 on the approximation of laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations (Official Journal of the European Communities No. L 200 of 30 July 1999, pages 1 to 68).

2.2.61.2 Substances not accepted for carriage

2.2.61.2.1 Chemically unstable substances of Class 6.1 shall not be accepted for carriage unless the necessary steps have been taken to prevent their dangerous decomposition or polymerization during carriage. To this end, it shall in particular be ensured that receptacles and tanks do not contain any substance(s) likely to cause such a reaction.

2.2.61.2.2 The following substances and mixtures shall not be accepted for carriage:

- Hydrogen cyanide, anhydrous or in solution, which do not meet the descriptions of UN Nos. 1051, 1613, 1614 and 3294;
- Metal carbonyls, having a flash-point below 23 °C, other than UN Nos. 1259 NICKEL CARBONYL and 1994 IRON PENTACARBONYL;
- 2,3,7,8-TETRACHLORODIBENZO-P-DIOXINE (TCDD) in concentrations considered highly toxic in accordance with the criteria in 2.2.61.1.7;
- UN No. 2249 DICHLORODIMETHYL ETHER, SYMMETRICAL;
- Preparations of phosphides without additives inhibiting the emission of toxic flammable gases.

The following substances shall not be accepted for carriage by rail:

- Barium azide, dry or with less than 50% water or alcohols;
- UN 0135 MERCURY FULMINATE.

2.2.61.3 List of collective entries

Subsidiary risk	Classification code	UN No.	Name of the substance or article
Toxic substances			
			1583 CHLOROPICRIN MIXTURE, N.O.S.
			1602 DYE, LIQUID, TOXIC, N.O.S., or
			1602 DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.
			1693 TEAR GAS SUBSTANCE, LIQUID, N.O.S.
			1851 MEDICINE, LIQUID, TOXIC, N.O.S.
			2206 ISOCYANATES, TOXIC, N.O.S. or
			2206 ISOCYANATE SOLUTION, TOXIC, N.O.S.
			3140 ALKALOIDS, LIQUID, N.O.S. or
			3140 ALKALOID SALTS, LIQUID, N.O.S.
			3142 DISINFECTANT, LIQUID, TOXIC, N.O.S.
			3144 NICOTINE COMPOUND, LIQUID, N.O.S. or
			3144 NICOTINE PREPARATION, LIQUID, N.O.S.
			3172 TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.
			3276 NITRILES, LIQUID, TOXIC, N.O.S.
			3278 ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.
			3381 TOXIC BY INHALATION LIQUID, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀
			3382 TOXIC BY INHALATION LIQUID, N.O.S. with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀
			2810 TOXIC LIQUID, ORGANIC, N.O.S.
	liquid ^(a)	T1	
Without subsidiary risk		organic	

Without subsidiary risk (cont'd)	organic (cont'd)		1544 ALKALOIDS, SOLID, N.O.S. or 1544 ALKALOID SALTS, SOLID, N.O.S. 1601 DISINFECTANT, SOLID, TOXIC, N.O.S. 1655 NICOTINE COMPOUND, SOLID, N.O.S., or 1655 NICOTINE PREPARATION, SOLID, N.O.S. 3143 DYE, SOLID, TOXIC, N.O.S. or 3143 DYE INTERMEDIATE, SOLID, TOXIC, N.O.S. 3249 MEDICINE, SOLID, TOXIC, N.O.S. 3439 NITRILES, SOLID, TOXIC, N.O.S. 3448 TEAR GAS SUBSTANCE, SOLID, N.O.S. 3462 TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S. 3464 ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S. 2811 TOXIC SOLID, ORGANIC, N.O.S.
		solid^{(a),(b)} T2	
	organometallic ^{(c),(d)}	T3	2026 PHENYLMERCURIC COMPOUND, N.O.S. 2788 ORGANOTIN COMPOUND, LIQUID, N.O.S. 3146 ORGANOTIN COMPOUND, SOLID, N.O.S. 3280 ORGANOARSENIC COMPOUND, LIQUID, N.O.S. 3281 METAL CARBONYLS, LIQUID, N.O.S. 3465 ORGANOARSENIC COMPOUND, SOLID, N.O.S. 3466 METAL CARBONYLS, SOLID, N.O.S. 3282 ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S. 3467 ORGANOMETALLIC COMPOUND, SOLID, TOXIC, N.O.S.
		liquid^(e) T4	1556 ARSENIC COMPOUND, LIQUID, N.O.S., inorganic including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s. 1935 CYANIDE SOLUTION, N.O.S. 2024 MERCURY COMPOUND, LIQUID, N.O.S. 3141 ANTIMONY COMPOUND, INORGANIC, LIQUID, N.O.S. 3381 TOXIC BY INHALATION LIQUID, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀ 3382 TOXIC BY INHALATION LIQUID, N.O.S. with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀ 3440 SELENIUM COMPOUND, LIQUID, N.O.S. 3287 TOXIC LIQUID, INORGANIC, N.O.S.
	inorganic		1549 ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S. 1557 ARSENIC COMPOUND, SOLID, N.O.S., including: Arsenates, n.o.s.; Arsenites, n.o.s.; and Arsenic sulphides, n.o.s. 1564 BARIUM COMPOUND, N.O.S. 1566 BERYLLIUM COMPOUND, N.O.S. 1588 CYANIDES, INORGANIC, SOLID, N.O.S. 1707 THALLIUM COMPOUND, N.O.S. 2025 MERCURY COMPOUND, SOLID, N.O.S. 2291 LEAD COMPOUND, SOLUBLE, N.O.S. 2570 CADMIUM COMPOUND 2630 SELENATES or 2630 SELENITES 2856 FLUOROSILICATES, N.O.S. 3283 SELENIUM COMPOUND, SOLID, N.O.S. 3284 TELLURIUM COMPOUND, N.O.S. 3285 VANADIUM COMPOUND, N.O.S. 3288 TOXIC SOLID, INORGANIC, N.O.S.
		solid^{(f)(g)} T5	

Without subsidiary risk (cont'd)			2992 CARBAMATE PESTICIDE, LIQUID, TOXIC 2994 ARSENICAL PESTICIDE, LIQUID, TOXIC 2996 ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC 2998 TRIAZINE PESTICIDE, LIQUID, TOXIC 3006 THIOCARBAMATE PESTICIDE, LIQUID, TOXIC 3010 COPPER BASED PESTICIDE, LIQUID, TOXIC 3012 MERCURY BASED PESTICIDE, LIQUID, TOXIC 3014 SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC 3016 BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC 3018 ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC 3020 ORGANOTIN PESTICIDE, LIQUID, TOXIC 3026 COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC 3348 PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC 3352 PYRETHROID PESTICIDE, LIQUID, TOXIC 2902 PESTICIDE, LIQUID, TOXIC, N.O.S.
	pesti- cides	liquid ⁽ⁿ⁾ T6	2757 CARBAMATE PESTICIDE, SOLID, TOXIC 2759 ARSENICAL PESTICIDE, SOLID, TOXIC 2761 ORGANOCHLORINE PESTICIDE, SOLID, TOXIC 2763 TRIAZINE PESTICIDE, SOLID, TOXIC 2771 THIOCARBAMATE PESTICIDE, SOLID, TOXIC 2775 COPPER BASED PESTICIDE, SOLID, TOXIC 2777 MERCURY BASED PESTICIDE, SOLID, TOXIC 2779 SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC 2781 BIPYRIDILIUM PESTICIDE, SOLID, TOXIC 2783 ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC 2786 ORGANOTIN PESTICIDE, SOLID, TOXIC 3027 COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC 3048 ALUMINIUM PHOSPHIDE PESTICIDE 3345 PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC 3349 PYRETHROID PESTICIDE, SOLID, TOXIC 2588 PESTICIDE, SOLID, TOXIC, N.O.S.
		solid ⁽ⁿ⁾ T7	
	samples	T8	3315 CHEMICAL SAMPLE, TOXIC
	other toxic sub- stances ⁽ⁱ⁾	T9	3243 SOLIDS CONTAINING TOXIC LIQUID, N.O.S.
Flammable TF			3071 MERCAPTANS, LIQUID, TOXIC, FLAMMABLE, N.O.S. or 3071 MERCAPTAN MIXTURE, LIQUID, TOXIC, FLAMMABLE, N.O.S. 3080 ISOCYANATES, TOXIC, FLAMMABLE, N.O.S. or 3080 ISOCYANATE SOLUTION, TOXIC, FLAMMABLE, N.O.S. 3275 NITRILES, TOXIC, FLAMMABLE, N.O.S. 3279 ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S. 3383 TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀ 3384 TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀ 2929 TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.
		liquid ^{(j),(k)} TF1	

Flammable TF (cont'd)			2991 CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE
			2993 ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE
			2995 ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE
			2997 TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE
pesticides (flash-point not less than 23 °C)	TF2		3005 THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE
			3009 COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE
			3011 MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE
			3013 SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE
			3015 BIPYRIDILUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE
			3017 ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE
			3019 ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE
			3025 COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE
			3347 PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE
			3351 PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE
solid	TF3		2903 PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S.
			1700 TEAR GAS CANDLES
Solid, self-heating^(c)	TS		2930 TOXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.
			3124 TOXIC SOLID, SELF-HEATING, N.O.S.
Water-reactive^(d) TW	liquid	TW1	3385 TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀
			3386 TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀
			3123 TOXIC LIQUID, WATER-REACTIVE, N.O.S.
Oxidizing^(m) TO	liquid	TO1	3125 TOXIC SOLID, WATER-REACTIVE, N.O.S.
			3387 TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀
			3388 TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀
	solid	TO2	3122 TOXIC LIQUID, OXIDIZING, N.O.S.
			3086 TOXIC SOLID, OXIDIZING, N.O.S.

Corrosive⁽ⁿ⁾ TC	organic	liq- uid TC1	3277 CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S. 3361 CHLOROSILANES, TOXIC, CORROSIVE, N.O.S. 3389 TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀ 3390 TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀ 2927 TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.
			2928 TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.
			3389 TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀ 3390 TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 1 000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀ 3289 TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.
	inorganic	liq- uid TC3	3290 TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.
			2742 CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S. 3362 CHLOROSILANES, TOXIC, CORROSIVE, FLAM- MABLE, N.O.S. 3488 TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentra- tion greater than or equal to 500 LC ₅₀ 3489 TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentra- tion greater than or equal to 10 LC ₅₀
	flammable, water-reactive	solid TC4	3490 TOXIC BY INHALATION LIQUID, WATER- REACTIVE, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀ 3491 TOXIC BY INHALATION LIQUID, WATER- REACTIVE, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀

Footnotes

- (a) Substances and preparations containing alkaloids or nicotine used as pesticides shall be classified under UN No. 2588 PESTICIDES, SOLID, TOXIC, N.O.S., UN No. 2902 PESTICIDES, LIQUID, TOXIC, N.O.S. or UN No. 2903 PESTICIDES, LIQUID, TOXIC, FLAMMABLE, N.O.S.
- (b) Active substances and triturations or mixtures of substances intended for laboratories and experiments and for the manufacture of pharmaceutical products with other substances shall be classified according to their toxicity (see 2.2.61.1.7 to 2.2.61.1.11).
- (c) Self-heating substances, slightly toxic and spontaneously combustible organometallic compounds, are substances of Class 4.2.
- (d) Water-reactive substances, slightly toxic, and water-reactive organometallic compounds, are substances of Class 4.3.
- (e) Mercury fulminate, wetted with not less than 20% water, or mixture of alcohol and water by mass is a substance of Class 1, UN No. 0135 and shall not be accepted for carriage by rail (see 2.2.61.2.2).

- (f) Ferricyanides, ferrocyanides, alkaline thiocyanates and ammonium thiocyanates are not subject to the provisions of RID.
- (g) Lead salts and lead pigments which, when mixed in a ratio of 1:1000 with 0.07M hydrochloric acid and stirred for one hour at a temperature of $23\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, exhibit a solubility of 5% or less, are not subject to the provisions of RID.
- (h) Articles impregnated with this pesticide, such as fibreboard plates, paper strips, cotton-wool balls, sheets of plastics material, in hermetically closed wrappings, are not subject to the provisions of RID.
- (i) Mixtures of solids which are not subject to the provisions of RID and of toxic liquids may be carried under UN No. 3243 without first applying the classification criteria of Class 6.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging, wagon or container is closed. Each packaging shall correspond to a design type that has passed a leakproofness test at the packing group II level. This entry shall not be used for solids containing a packing group I liquid.
- (j) Highly toxic or toxic, flammable liquids having a flash-point below $23\text{ }^{\circ}\text{C}$ excluding substances which are highly toxic on inhalation, i.e. UN Nos. 1051, 1092, 1098, 1143, 1163, 1182, 1185, 1238, 1239, 1244, 1251, 1259, 1613, 1614, 1695, 1994, 2334, 2382, 2407, 2438, 2480, 2482, 2484, 2485, 2606, 2929, 3279 and 3294 are substances of Class 3.
- (k) Flammable liquids, slightly toxic, with the exception of substances and preparations used as pesticides, having a flash-point between $23\text{ }^{\circ}\text{C}$ and $60\text{ }^{\circ}\text{C}$ inclusive, are substances of Class 3.
- (l) Metal phosphides assigned to UN Nos. 1360, 1397, 1432, 1714, 2011 and 2013 are substances of Class 4.3.
- (m) Oxidizing substances, slightly toxic, are substances of Class 5.1.
- (n) Substances slightly toxic and slightly corrosive, are substances of Class 8.

2.2.62 Class 6.2: Infectious substances**2.2.62.1 Criteria**

2.2.62.1.1 The heading of Class 6.2 covers infectious substances. For the purposes of RID, infectious substances are substances which are known or are reasonably expected to contain pathogens. Pathogens are defined as microorganisms (including bacteria, viruses, rickettsia, parasites, fungi) and other agents such as prions, which can cause disease in humans or animals.

NOTE 1: Genetically modified microorganisms and organisms, biological products, diagnostic specimens and infected live animals shall be assigned to this Class if they meet the conditions for this class.

2: Toxins from plant, animal or bacterial sources which do not contain any infectious substances or organisms or which are not contained in them are substances of Class 6.1, UN No. 3172 or 3462.

2.2.62.1.2 Substances of Class 6.2 are subdivided as follows:

- I1 Infectious substances affecting humans;
- I2 Infectious substances affecting animals only;
- I3 Clinical waste;
- I4 Biological substances.

Definitions

2.2.62.1.3 For the purposes of RID:

"Biological products" are those products derived from living organisms which are manufactured and distributed in accordance with the requirements of appropriate national authorities, which may have special licensing requirements, and are used either for prevention, treatment, or diagnosis of disease in humans or animals, or for development, experimental or investigational purposes related thereto. They include, but are not limited to, finished or unfinished products such as vaccines;

"Cultures" are the result of a process by which pathogens are intentionally propagated. This definition does not include human or animal patient specimens as defined in this paragraph;

"Medical or clinical wastes" are wastes derived from the medical treatment of animals or humans or from bio-research;

"Patient specimens" are human or animal materials, collected directly from humans or animals, including, but not limited to, excreta, secreta, blood and its components, tissue and tissue fluid swabs, and body parts being carried for purposes such as research, diagnosis, investigational activities, disease treatment and prevention.

Classification

2.2.62.1.4 Infectious substances shall be classified in Class 6.2 and assigned to UN Nos. 2814, 2900, 3291 or 3373, as appropriate.

Infectious substances are divided into the following categories:

2.2.62.1.4.1 Category A: An infectious substance which is carried in a form that, when exposure to it occurs, is capable of causing permanent disability, life-threatening or fatal disease in otherwise healthy humans or animals. Indicative examples of substances that meet these criteria are given in the table in this paragraph.

NOTE: An exposure occurs when an infectious substance is released outside of the protective packaging, resulting in physical contact with humans or animals.

(a) Infectious substances meeting these criteria which cause disease in humans or both in humans and animals shall be assigned to UN No. 2814. Infectious substances which cause disease only in animals shall be assigned to UN No. 2900;

(b) Assignment to UN No. 2814 or UN No. 2900 shall be based on the known medical history and symptoms of the source human or animal, endemic local conditions, or professional judgement concerning individual circumstances of the source human or animal.

NOTE 1: The proper shipping name for UN No. 2814 is "INFECTIOUS SUBSTANCE, AFFECTING HUMANS". The proper shipping name for UN No. 2900 is "INFECTIOUS SUBSTANCE, AFFECTING ANIMALS only".

2: The following table is not exhaustive. Infectious substances, including new or emerging pathogens, which do not appear in the table but which meet the same criteria shall be assigned to Category A. In addition, if there is doubt as to whether or not a substance meets the criteria it shall be included in Category A.

3: In the following table, the microorganisms written in italics are bacteria, mycoplasmas, rickettsia or fungi.

Indicative examples of infectious substances included in Category A in any form unless otherwise indicated (see 2.2.62.1.4.1)	
UN Number and name	Microorganism
UN No. 2814 INFECTIOUS SUBSTANCES AFFECTING HUMANS	<i>Bacillus anthracis</i> (cultures only) <i>Brucella abortus</i> (cultures only) <i>Brucella melitensis</i> (cultures only) <i>Brucella suis</i> (cultures only) <i>Burkholderia mallei</i> – <i>Pseudomonas mallei</i> – Glanders (cultures only) <i>Burkholderia pseudomallei</i> – <i>Pseudomonas pseudomallei</i> (cultures only) <i>Chlamydia psittaci</i> – avian strains (cultures only) <i>Clostridium botulinum</i> (cultures only) <i>Coccidioides immitis</i> (cultures only) <i>Coxiella burnetii</i> (cultures only) Crimean-Congo haemorrhagic fever virus Dengue virus (cultures only) Eastern equine encephalitis virus (cultures only) <i>Escherichia coli</i> , verotoxigenic (cultures only) ^a Ebola virus Flexal virus <i>Francisella tularensis</i> (cultures only) Guanarito virus Hantaan virus Hantavirus causing haemorrhagic fever with renal syndrome Hendra virus Hepatitis B virus (cultures only) Herpes B virus (cultures only) Human immunodeficiency virus (cultures only) Highly pathogenic avian influenza virus (cultures only) Japanese Encephalitis virus (cultures only) Junin virus Kyasanur Forest disease virus Lassa virus Machupo virus Marburg virus Monkeypox virus <i>Mycobacterium tuberculosis</i> (cultures only) ^a Nipah virus Omsk haemorrhagic fever virus Poliovirus (cultures only) Rabies virus (cultures only) <i>Rickettsia prowazekii</i> (cultures only) <i>Rickettsia rickettsii</i> (cultures only) Rift Valley fever virus (cultures only) Russian spring-summer encephalitis virus (cultures only) Sabia virus <i>Shigella dysenteriae</i> type 1 (cultures only) ^a Tick-borne encephalitis virus (cultures only) Variola virus Venezuelan equine encephalitis virus (cultures only) West Nile virus (cultures only) Yellow fever virus (cultures only) <i>Yersinia pestis</i> (cultures only)

UN Number and name	Microorganism
UN No. 2900 INFECTIOUS SUBSTANCES AFFECTING ANIMALS only	African swine fever virus (cultures only) Avian paramyxovirus Type 1 – Velogenic Newcastle disease virus (cultures only) Classical swine fever virus (cultures only) Foot and mouth disease virus (cultures only) Lumpy skin disease virus (cultures only) <i>Mycoplasma mycoides</i> – Contagious bovine pleuropneumonia (cultures only) Peste des petits ruminants virus (cultures only) Rinderpest virus (cultures only) Sheep-pox virus (cultures only) Goatpox virus (cultures only) Swine vesicular disease virus (cultures only) Vesicular stomatitis virus (cultures only)

^a Nevertheless, when the cultures are intended for diagnostic or clinical purposes, they may be classified as infectious substances of Category B.

2.2.62.1.4.2 Category B: An infectious substance which does not meet the criteria for inclusion in Category A. Infectious substances in Category B shall be assigned to UN No. 3373.

NOTE: The proper shipping name of UN No. 3373 is "BIOLOGICAL SUBSTANCE, CATEGORY B".

2.2.62.1.5 Exemptions

2.2.62.1.5.1 Substances which do not contain infectious substances or substances which are unlikely to cause disease in humans or animals are not subject to the provisions of RID unless they meet the criteria for inclusion in another class.

2.2.62.1.5.2 Substances containing microorganisms which are non-pathogenic to humans or animals are not subject to RID unless they meet the criteria for inclusion in another class.

2.2.62.1.5.3 Substances in a form that any present pathogens have been neutralized or inactivated such that they no longer pose a health risk are not subject to RID unless they meet the criteria for inclusion in another class.

NOTE: Medical equipment which has been drained of free liquid is deemed to meet the requirements of this paragraph and is not subject to the provisions of RID.

2.2.62.1.5.4 Substances where the concentration of pathogens is at a level naturally encountered (including foodstuff and water samples) and which are not considered to pose a significant risk of infection are not subject to RID unless they meet the criteria for inclusion in another class.

2.2.62.1.5.5 Dried blood spots, collected by applying a drop of blood onto absorbent material, or faecal occult blood screening tests and blood or blood components which have been collected for the purposes of transfusion or for the preparation of blood products to be used for transfusion or transplantation and any tissues or organs intended for use in transplantation are not subject to the provisions of RID.

2.2.62.1.5.6 Human or animal specimens for which there is minimal likelihood that pathogens are present are not subject to RID if the specimen is carried in a packaging which will prevent any leakage and which is marked with the words "EXEMPT HUMAN SPECIMEN" or "EXEMPT ANIMAL SPECIMEN", as appropriate.

The packaging is deemed to comply with the above requirements if it meets the following conditions:

- (a) The packaging consists of three components:
 - (i) a leak-proof primary receptacle(s);
 - (ii) a leak-proof secondary packaging; and
 - (iii) an outer packaging of adequate strength for its capacity, mass and intended use, and with at least one surface having minimum dimensions of 100 mm x 100 mm;
- (b) For liquids, absorbent material in sufficient quantity to absorb the entire contents is placed between the primary receptacle(s) and the secondary packaging so that, during carriage, any release or leak of a liquid substance will not reach the outer packaging and will not compromise the integrity of the cushioning material;
- (c) When multiple fragile primary receptacles are placed in a single secondary packaging, they are either individually wrapped or separated to prevent contact between them.

NOTE 1: An element of professional judgment is required to determine if a substance is exempt under this paragraph. That judgment should be based on the known medical history, symptoms and individual circumstances of the source, human or animal, and endemic local conditions. Examples of specimens which may be carried under this paragraph include

- the blood or urine tests to monitor cholesterol levels, blood glucose levels, hormone levels, or prostate specific antibodies (PSA);
- those required to monitor organ function such as heart, liver or kidney function for humans or animals with non-infectious diseases, or for therapeutic drug monitoring;
- those conducted for insurance or employment purposes and are intended to determine the presence of drugs or alcohol;
- pregnancy test;
- biopsies to detect cancer; and
- antibody detection in humans or animals in the absence of any concern for infection (e.g. evaluation of vaccine induced immunity, diagnosis of autoimmune disease, etc.).

2: For air transport, packagings for specimens exempted under this paragraph shall meet the conditions in (a) to (c).

2.2.62.1.5.7 Except for:

- (a) Medical waste (UN No. 3291);
- (b) Medical devices or equipment contaminated with or containing infectious substances in Category A (UN No. 2814 or UN No. 2900); and
- (c) Medical devices or equipment contaminated with or containing other dangerous goods that meet the definition of another class,

medical devices or equipment potentially contaminated with or containing infectious substances which are being carried for disinfection, cleaning, sterilization, repair, or equipment evaluation are not subject to the provisions of RID other than those of this paragraph if packed in packagings designed and constructed in such a way that, under normal conditions of carriage, they cannot break, be punctured or leak their contents. Packagings shall be designed to meet the construction requirements listed in 6.1.4 or 6.6.5.

These packagings shall meet the general packing requirements of 4.1.1.1 and 4.1.1.2 and be capable of retaining the medical devices and equipment when dropped from a height of 1.2 m.

The packagings shall be marked "USED MEDICAL DEVICE" or "USED MEDICAL EQUIPMENT". When using overpacks, these shall be marked in the same way, except when the inscription remains visible.

2.2.62.1.6 (Reserved)

2.2.62.1.7 (Reserved)

2.2.62.1.8 (Reserved)

2.2.62.1.9 *Biological products*

For the purposes of RID, biological products are divided into the following groups:

- (a) those which are manufactured and packaged in accordance with the requirements of appropriate national authorities and carried for the purposes of final packaging or distribution, and use for personal health care by medical professionals or individuals. Substances in this group are not subject to the provisions of RID;
- (b) those which do not fall under paragraph (a) and are known or reasonably believed to contain infectious substances and which meet the criteria for inclusion in Category A or Category B. Substances in this group shall be assigned to UN Nos. 2814, 2900 or 3373, as appropriate.

NOTE: Some licensed biological products may present a biohazard only in certain parts of the world. In that case, competent authorities may require these biological products to be in compliance with local requirements for infectious substances or may impose other restrictions.

2.2.62.1.10 *Genetically modified microorganisms and organisms*

Genetically modified microorganisms not meeting the definition of infectious substance shall be classified according to section 2.2.9.

2.2.62.1.11 *Medical or clinical wastes*

2.2.62.1.11.1 Medical or clinical wastes containing Category A infectious substances shall be assigned to UN No. 2814 or UN No. 2900 as appropriate. Medical or clinical wastes containing infectious substances in Category B shall be assigned to UN No. 3291.

NOTE: Medical or clinical wastes assigned to number 18 01 03 (Wastes from human or animal health care and/or related research – wastes from natal care, diagnosis, treatment or prevention of disease in humans – wastes whose collection and disposal is subject to special requirements in order to prevent infection) or 18 02 02 (Wastes from human or animal health care and/or related research – wastes from research, diagnosis, treatment or prevention of disease involving animals – wastes whose collection and disposal is subject to special requirements in order to prevent infection) according to the list of wastes annexed to the Commission Decision 2000/532/EC⁶ as amended, shall be classified according to the provisions set out in this paragraph, based on the medical or veterinary diagnosis concerning the patient or the animal.

2.2.62.1.11.2 Medical or clinical wastes which are reasonably believed to have a low probability of containing infectious substances shall be assigned to UN No. 3291. For the assignment, international, regional or national waste catalogues may be taken into account.

NOTE 1: The proper shipping name for UN No. 3291 is "CLINICAL WASTE, UNSPECIFIED, N.O.S." or "(BIO) MEDICAL WASTE, N.O.S." or "REGULATED MEDICAL WASTE, N.O.S.".

2: Notwithstanding the classification criteria set out above, medical or clinical wastes assigned to number 18 01 04 (Wastes from human or animal health care and/or related research – wastes from natal care, diagnosis, treatment or prevention of disease in humans – wastes whose collection and disposal is not subject to special requirements in order to prevent infection) or 18 02 03 (Wastes from human or animal health care and/or related research – wastes from research, diagnosis, treatment or prevention of disease involving animals – wastes whose collection and disposal is not subject to special requirements in order to prevent infection) according to the list of wastes annexed to the Commission Decision 2000/532/EC⁶ as amended, are not subject to the provisions of RID.

2.2.62.1.11.3 Decontaminated medical or clinical wastes which previously contained infectious substances are not subject to the provisions of RID unless they meet the criteria for inclusion in another class.

2.2.62.1.11.4 Medical or clinical wastes assigned to UN No. 3291 are assigned to packing group II.

2.2.62.1.12 *Infected animals*

2.2.62.1.12.1 Unless an infectious substance cannot be consigned by any other means, live animals shall not be used to consign such a substance. A live animal which has been intentionally infected and is known or suspected to contain an infectious substance shall only be carried under terms and conditions approved by the competent authority and in accordance with the regulations that apply to the carriage of animals⁷.

2.2.62.1.12.2 Animal material affected by pathogens of Category A or by pathogens which would be assigned to Category A in cultures only, shall be assigned to UN 2814 or UN 2900 as appropriate. Animal material affected by pathogens of Category B, other than those which would be assigned to Category A if they were in cultures, shall be assigned to UN 3373.

2.2.62.2 **Substances not accepted for carriage**

Live vertebrate or invertebrate animals shall not be used to carry an infectious agent unless the agent cannot be carried by other means or unless this carriage has been approved by the competent authority (see 2.2.62.1.12.1).

⁶ Commission Decision 2000/532/EC of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste (replaced by the Directive of the European Parliament and of the Council 2006/12/EC (Official Journal of the European Communities No. L 114 of 27 April 2006, page 9)) and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste (Official Journal of the European Communities No. L 226 of 6 September 2000, page 3).

⁷ Regulations governing the carriage of live animals are contained in, e.g. Directive 91/628/EEC of 19 November 1991 on the protection of animals during transport (Official Journal of the European Communities No. L 340 of 11 December 1991, p. 17) and in the Recommendations of the Council of Europe (Ministerial Committee) on the carriage of certain animal species.

2.2.62.3 List of collective entries

	Classification code	UN No.	Name of the substance or article
Infectious substances			
Effects on humans	I1	2814	INFECTIOUS SUBSTANCE, AFFECTING HUMANS
Effects on animals only	I2	2900	INFECTIOUS SUBSTANCE, AFFECTING ANIMALS only
Clinical waste	I3	3291	CLINICAL WASTE, UNSPECIFIED, N.O.S. or 3291 (BIO)MEDICAL WASTE, N.O.S. or 3291 REGULATED MEDICAL WASTE, N.O.S.
Biological substances	I4	3373	BIOLOGICAL SUBSTANCE, CATEGORY B

2.2.7 Class 7: Radioactive material**2.2.7.1 Definitions**

2.2.7.1.1 *Radioactive material* means any material containing radionuclides where both the activity concentration and the total activity in the consignment exceed the values specified in 2.2.7.2.2.1 to 2.2.7.2.2.6.

2.2.7.1.2 Contamination

Contamination means the presence of a radioactive substance on a surface in quantities in excess of 0.4 Bq/cm² for beta and gamma emitters and low toxicity alpha emitters, or 0.04 Bq/cm² for all other alpha emitters.

Non-fixed contamination means contamination that can be removed from a surface during routine conditions of carriage.

Fixed contamination means contamination other than non-fixed contamination.

2.2.7.1.3 Definitions of specific terms**A₁ and A₂**

A₁ means the activity value of special form radioactive material which is listed in Table 2.2.7.2.2.1 or derived in 2.2.7.2.2.2 and is used to determine the activity limits for the requirements of RID.

A₂ means the activity value of radioactive material, other than special form radioactive material, which is listed in Table 2.2.7.2.2.1 or derived in 2.2.7.2.2.2 and is used to determine the activity limits for the requirements of RID.

Fissile nuclides means uranium-233, uranium-235, plutonium-239 and plutonium-241.

Fissile material means a material containing any of the fissile nuclides. Excluded from the definition of fissile material are:

- (a) Natural uranium or depleted uranium which is unirradiated; and
- (b) Natural uranium or depleted uranium which has been irradiated in thermal reactors only.

Low dispersible radioactive material means either a solid radioactive material or a solid radioactive material in a sealed capsule, that has limited dispersibility and is not in powder form.

Low specific activity (LSA) material means radioactive material which by its nature has a limited specific activity, or radioactive material for which limits of estimated average specific activity apply. External shielding materials surrounding the LSA material shall not be considered in determining the estimated average specific activity.

Low toxicity alpha emitters are: natural uranium; depleted uranium; natural thorium; uranium-235 or uranium-238; thorium-232; thorium-228 and thorium-230 when contained in ores or physical and chemical concentrates; or alpha emitters with a half-life of less than 10 days.

Special form radioactive material means either:

- (a) An indispersible solid radioactive material; or
- (b) A sealed capsule containing radioactive material.

Specific activity of a radionuclide means the activity per unit mass of that nuclide. The specific activity of a material shall mean the activity per unit mass of the material in which the radionuclides are essentially uniformly distributed.

Surface contaminated object (SCO) means a solid object which is not itself radioactive but which has radioactive material distributed on its surfaces.

Unirradiated thorium means thorium containing not more than 10⁻⁷ g of uranium-233 per gram of thorium-232.

Unirradiated uranium means uranium containing not more than 2 × 10³ Bq of plutonium per gram of uranium-235, not more than 9 × 10⁶ Bq of fission products per gram of uranium-235 and not more than 5 × 10³ g of uranium-236 per gram of uranium-235.

Uranium – natural, depleted, enriched means the following:

Natural uranium means uranium (which may be chemically separated) containing the naturally occurring distribution of uranium isotopes (approximately 99.28% uranium-238, and 0.72% uranium-235 by mass).

Depleted uranium means uranium containing a lesser mass percentage of uranium-235 than in natural uranium.

Enriched uranium means uranium containing a greater mass percentage of uranium-235 than 0.72%.

In all cases, a very small mass percentage of uranium-234 is present.

2.2.7.2 Classification

2.2.7.2.1 General provisions

2.2.7.2.1.1 Radioactive material shall be assigned to one of the UN number specified in Table 2.2.7.2.1.1 depending on the activity level of the radionuclides contained in a package, the fissile or non-fissile properties of these radionuclides, the type of package to be presented for carriage, and the nature or form of the contents of the package, or special arrangements governing the carriage operation, in accordance with the provisions laid down in 2.2.7.2.2 to 2.2.7.2.5.

Table 2.2.7.2.1.1: Assignment of UN numbers

Excepted packages (1.7.1.5)	
UN 2908	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – EMPTY PACKAGING
UN 2909	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – ARTICLES MANUFACTURED FROM NATURAL URANIUM or DEPLETED URANIUM or NATURAL THORIUM
UN 2910	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – LIMITED QUANTITY OF MATERIAL
UN 2911	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – INSTRUMENTS or ARTICLES
Low specific activity radioactive material (2.2.7.2.3.1)	
UN 2912	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), non-fissile or fissile-excepted
UN 3321	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non fissile or fissile-excepted
UN 3322	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), non fissile or fissile-excepted
UN 3324	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE
UN 3325	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY, (LSA-III), FISSILE
Surface contaminated objects (2.2.7.2.3.2)	
UN 2913	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), non-fissile or fissile-excepted
UN 3326	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), FISSILE
Type A packages (2.2.7.2.4.4)	
UN 2915	RADIOACTIVE MATERIAL, TYPE A PACKAGE, non-special form, non-fissile or fissile-excepted
UN 3327	RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, non-special form
UN 3332	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, non fissile or fissile-excepted
UN 3333	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE
Type B(U) packages (2.2.7.2.4.6)	
UN 2916	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, non-fissile or fissile-excepted
UN 3328	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE
Type B(M) packages (2.2.7.2.4.6)	
UN 2917	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non-fissile or fissile-excepted
UN 3329	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE
Type C packages (2.2.7.2.4.6)	
UN 3323	RADIOACTIVE MATERIAL, TYPE C PACKAGE, non fissile or fissile-excepted
UN 3330	RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE
Special arrangement (2.2.7.2.5)	
UN 2919	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, non-fissile or fissile-excepted
UN 3331	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, FISSILE
Uranium hexafluoride (2.2.7.2.4.5)	
UN 2977	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE
UN 2978	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non-fissile or fissile-excepted

2.2.7.2.2 Determination of activity level

2.2.7.2.2.1 The following basic values for individual radionuclides are given in Table 2.2.7.2.2.1:

- (a) A_1 and A_2 in TBq;
- (b) Activity concentration for exempt material in Bq/g; and
- (c) Activity limits for exempt consignments in Bq.

Table 2.2.7.2.2.1: Basic radionuclides values for individual radionuclides

Radionuclide (atomic number)	A ₁ (TBq)	A ₂ (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Actinium (89)				
Ac-225 ^(a)	8×10^{-1}	6×10^{-3}	1×10^1	1×10^4
Ac-227 ^(a)	9×10^{-1}	9×10^{-5}	1×10^{-1}	1×10^3
Ac-228	6×10^{-1}	5×10^{-1}	1×10^1	1×10^6
Silver (47)				
Ag-105	2×10^0	2×10^0	1×10^2	1×10^6
Ag-108m ^(a)	7×10^{-1}	7×10^{-1}	1×10^1 ^(b)	1×10^6 ^(b)
Ag-110m ^(a)	4×10^{-1}	4×10^{-1}	1×10^1	1×10^6
Ag-111	2×10^0	6×10^{-1}	1×10^3	1×10^6
Aluminium (13)				
Al-26	1×10^{-1}	1×10^{-1}	1×10^1	1×10^5
Americium (95)				
Am-241	1×10^1	1×10^{-3}	1×10^0	1×10^4
Am-242m ^(a)	1×10^1	1×10^{-3}	1×10^0 ^(b)	1×10^4 ^(b)
Am-243 ^(a)	5×10^0	1×10^{-3}	1×10^0 ^(b)	1×10^3 ^(b)
Argon (18)				
Ar-37	4×10^1	4×10^1	1×10^6	1×10^8
Ar-39	4×10^1	2×10^1	1×10^7	1×10^4
Ar-41	3×10^{-1}	3×10^{-1}	1×10^2	1×10^9
Arsenic (33)				
As-72	3×10^{-1}	3×10^{-1}	1×10^1	1×10^5
As-73	4×10^1	4×10^1	1×10^3	1×10^7
As-74	1×10^0	9×10^{-1}	1×10^1	1×10^6
As-76	3×10^{-1}	3×10^{-1}	1×10^2	1×10^5
As-77	2×10^1	7×10^{-1}	1×10^3	1×10^6
Astatine (85)				
At-211 ^(a)	2×10^1	5×10^{-1}	1×10^3	1×10^7
Gold (79)				
Au-193	7×10^0	2×10^0	1×10^2	1×10^7
Au-194	1×10^0	1×10^0	1×10^1	1×10^6
Au-195	1×10^1	6×10^0	1×10^2	1×10^7
Au-198	1×10^0	6×10^{-1}	1×10^2	1×10^6
Au-199	1×10^1	6×10^{-1}	1×10^2	1×10^6
Barium (56)				
Ba-131 ^(a)	2×10^0	2×10^0	1×10^2	1×10^6
Ba-133	3×10^0	3×10^0	1×10^2	1×10^6
Ba-133m	2×10^1	6×10^{-1}	1×10^2	1×10^6
Ba-140 ^(a)	5×10^{-1}	3×10^{-1}	1×10^1 ^(b)	1×10^5 ^(b)
Beryllium (4)				
Be-7	2×10^1	2×10^1	1×10^3	1×10^7
Be-10	4×10^1	6×10^{-1}	1×10^4	1×10^6
Bismuth (83)				
Bi-205	7×10^{-1}	7×10^{-1}	1×10^1	1×10^6
Bi-206	3×10^{-1}	3×10^{-1}	1×10^1	1×10^5
Bi-207	7×10^{-1}	7×10^{-1}	1×10^1	1×10^6
Bi-210	1×10^0	6×10^{-1}	1×10^3	1×10^6
Bi-210m ^(a)	6×10^{-1}	2×10^{-2}	1×10^1	1×10^5
Bi-212 ^(a)	7×10^{-1}	6×10^{-1}	1×10^1 ^(b)	1×10^5 ^(b)
Berkelium (97)				
Bk-247	8×10^0	8×10^{-4}	1×10^0	1×10^4
Bk-249 ^(a)	4×10^1	3×10^{-1}	1×10^3	1×10^6
Bromine (35)				
Br-76	4×10^{-1}	4×10^{-1}	1×10^1	1×10^5
Br-77	3×10^0	3×10^0	1×10^2	1×10^6
Br-82	4×10^{-1}	4×10^{-1}	1×10^1	1×10^6
Carbon (6)				
C-11	1×10^0	6×10^{-1}	1×10^1	1×10^6
C-14	4×10^1	3×10^0	1×10^4	1×10^7
Calcium (20)				
Ca-41	Unlimited	Unlimited	1×10^5	1×10^7
Ca-45	4×10^1	1×10^0	1×10^4	1×10^7
Ca-47 ^(a)	3×10^0	3×10^{-1}	1×10^1	1×10^6
Cadmium (48)				

Radionuclide (atomic number)	A ₁ (TBq)	A ₂ (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Cd-109	3×10^1	2×10^0	1×10^4	1×10^6
Cd-113m	4×10^1	5×10^{-1}	1×10^3	1×10^6
Cd-115 ^(a)	3×10^0	4×10^{-1}	1×10^2	1×10^6
Cd-115m	5×10^{-1}	5×10^{-1}	1×10^3	1×10^6
Cerium (58)				
Ce-139	7×10^0	2×10^0	1×10^2	1×10^6
Ce-141	2×10^1	6×10^{-1}	1×10^2	1×10^7
Ce-143	9×10^{-1}	6×10^{-1}	1×10^2	1×10^6
Ce-144 ^(a)	2×10^{-1}	2×10^{-1}	1×10^2 ^(b)	1×10^5 ^(b)
Californium (98)				
Cf-248	4×10^1	6×10^{-3}	1×10^1	1×10^4
Cf-249	3×10^0	8×10^{-4}	1×10^0	1×10^3
Cf-250	2×10^1	2×10^{-3}	1×10^1	1×10^4
Cf-251	7×10^0	7×10^{-4}	1×10^0	1×10^3
Cf-252	1×10^{-1}	3×10^{-3}	1×10^1	1×10^4
Cf-253 ^(a)	4×10^1	4×10^{-2}	1×10^2	1×10^5
Cf-254	1×10^{-3}	1×10^{-3}	1×10^0	1×10^3
Chlorine (17)				
Cl-36	1×10^1	6×10^{-1}	1×10^4	1×10^6
Cl-38	2×10^{-1}	2×10^{-1}	1×10^1	1×10^5
Curium (96)				
Cm-240	4×10^1	2×10^{-2}	1×10^2	1×10^5
Cm-241	2×10^0	1×10^0	1×10^2	1×10^6
Cm-242	4×10^1	1×10^{-2}	1×10^2	1×10^5
Cm-243	9×10^0	1×10^{-3}	1×10^0	1×10^4
Cm-244	2×10^1	2×10^{-3}	1×10^1	1×10^4
Cm-245	9×10^0	9×10^{-4}	1×10^0	1×10^3
Cm-246	9×10^0	9×10^{-4}	1×10^0	1×10^3
Cm-247 ^(a)	3×10^0	1×10^{-3}	1×10^0	1×10^4
Cm-248	2×10^{-2}	3×10^{-4}	1×10^0	1×10^3
Cobalt (27)				
Co-55	5×10^{-1}	5×10^{-1}	1×10^1	1×10^6
Co-56	3×10^{-1}	3×10^{-1}	1×10^1	1×10^5
Co-57	1×10^1	1×10^1	1×10^2	1×10^6
Co-58	1×10^0	1×10^0	1×10^1	1×10^6
Co-58m	4×10^1	4×10^1	1×10^4	1×10^7
Co-60	4×10^{-1}	4×10^{-1}	1×10^1	1×10^5
Chromium (24)				
Cr-51	3×10^1	3×10^1	1×10^3	1×10^7
Caesium (55)				
Cs-129	4×10^0	4×10^0	1×10^2	1×10^5
Cs-131	3×10^1	3×10^1	1×10^3	1×10^6
Cs-132	1×10^0	1×10^0	1×10^1	1×10^5
Cs-134	7×10^{-1}	7×10^{-1}	1×10^1	1×10^4
Cs-134m	4×10^1	6×10^{-1}	1×10^3	1×10^5
Cs-135	4×10^1	1×10^0	1×10^4	1×10^7
Cs-136	5×10^{-1}	5×10^{-1}	1×10^1	1×10^5
Cs-137 ^(a)	2×10^0	6×10^{-1}	1×10^1 ^(b)	1×10^4 ^(b)
Copper (29)				
Cu-64	6×10^0	1×10^0	1×10^2	1×10^6
Cu-67	1×10^1	7×10^{-1}	1×10^2	1×10^6
Dysprosium (66)				
Dy-159	2×10^1	2×10^1	1×10^3	1×10^7
Dy-165	9×10^{-1}	6×10^{-1}	1×10^3	1×10^6
Dy-166 ^(a)	9×10^{-1}	3×10^{-1}	1×10^3	1×10^6
Erbium (68)				
Er-169	4×10^1	1×10^0	1×10^4	1×10^7
Er-171	8×10^{-1}	5×10^{-1}	1×10^2	1×10^6
Europium (63)				
Eu-147	2×10^0	2×10^0	1×10^2	1×10^6
Eu-148	5×10^{-1}	5×10^{-1}	1×10^1	1×10^6
Eu-149	2×10^1	2×10^1	1×10^2	1×10^7
Eu-150 (short lived)	2×10^0	7×10^{-1}	1×10^3	1×10^6
Eu-150 (long lived)	7×10^{-1}	7×10^{-1}	1×10^1	1×10^6
Eu-152	1×10^0	1×10^0	1×10^1	1×10^6
Eu-152m	8×10^{-1}	8×10^{-1}	1×10^2	1×10^6

Radionuclide (atomic number)	A ₁	A ₂	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
	(TBq)	(TBq)		
Eu-154	9×10^{-1}	6×10^{-1}	1×10^1	1×10^6
Eu-155	2×10^1	3×10^0	1×10^2	1×10^7
Eu-156	7×10^{-1}	7×10^{-1}	1×10^1	1×10^6
Fluorine (9)				
F-18	1×10^0	6×10^{-1}	1×10^1	1×10^6
Iron (26)				
Fe-52 ^(a)	3×10^{-1}	3×10^{-1}	1×10^1	1×10^6
Fe-55	4×10^1	4×10^1	1×10^4	1×10^6
Fe-59	9×10^{-1}	9×10^{-1}	1×10^1	1×10^6
Fe-60 ^(a)	4×10^1	2×10^{-1}	1×10^2	1×10^5
Gallium (31)				
Ga-67	7×10^0	3×10^0	1×10^2	1×10^6
Ga-68	5×10^{-1}	5×10^{-1}	1×10^1	1×10^5
Ga-72	4×10^{-1}	4×10^{-1}	1×10^1	1×10^5
Gadolinium (64)				
Gd-146 ^(a)	5×10^{-1}	5×10^{-1}	1×10^1	1×10^6
Gd-148	2×10^1	2×10^{-3}	1×10^1	1×10^4
Gd-153	1×10^1	9×10^0	1×10^2	1×10^7
Gd-159	3×10^0	6×10^{-1}	1×10^3	1×10^6
Germanium (32)				
Ge-68 ^(a)	5×10^{-1}	5×10^{-1}	1×10^1	1×10^5
Ge-71	4×10^1	4×10^1	1×10^4	1×10^8
Ge-77	3×10^{-1}	3×10^{-1}	1×10^1	1×10^5
Hafnium (72)				
Hf-172 ^(a)	6×10^{-1}	6×10^{-1}	1×10^1	1×10^6
Hf-175	3×10^0	3×10^0	1×10^2	1×10^6
Hf-181	2×10^0	5×10^{-1}	1×10^1	1×10^6
Hf-182	Unlimited	Unlimited	1×10^2	1×10^6
Mercury (80)				
Hg-194 ^(a)	1×10^0	1×10^0	1×10^1	1×10^6
Hg-195m ^(a)	3×10^0	7×10^{-1}	1×10^2	1×10^6
Hg-197	2×10^1	1×10^1	1×10^2	1×10^7
Hg-197m	1×10^1	4×10^{-1}	1×10^2	1×10^6
Hg-203	5×10^0	1×10^0	1×10^2	1×10^5
Holmium (67)				
Ho-166	4×10^{-1}	4×10^{-1}	1×10^3	1×10^5
Ho-166m	6×10^{-1}	5×10^{-1}	1×10^1	1×10^6
Iodine (53)				
I-123	6×10^0	3×10^0	1×10^2	1×10^7
I-124	1×10^0	1×10^0	1×10^1	1×10^6
I-125	2×10^1	3×10^0	1×10^3	1×10^6
I-126	2×10^0	1×10^0	1×10^2	1×10^6
I-129	Unlimited	Unlimited	1×10^2	1×10^5
I-131	3×10^0	7×10^{-1}	1×10^2	1×10^6
I-132	4×10^{-1}	4×10^{-1}	1×10^1	1×10^5
I-133	7×10^{-1}	6×10^{-1}	1×10^1	1×10^6
I-134	3×10^{-1}	3×10^{-1}	1×10^1	1×10^5
I-135 ^(a)	6×10^{-1}	6×10^{-1}	1×10^1	1×10^6
Indium (49)				
In-111	3×10^0	3×10^0	1×10^2	1×10^6
In-113m	4×10^0	2×10^0	1×10^2	1×10^6
In-114m ^(a)	1×10^1	5×10^{-1}	1×10^2	1×10^6
In-115m	7×10^0	1×10^0	1×10^2	1×10^6
Iridium (77)				
Ir-189 ^(a)	1×10^1	1×10^1	1×10^2	1×10^7
Ir-190	7×10^{-1}	7×10^{-1}	1×10^1	1×10^6
Ir-192	1×10^0 ^(c)	6×10^{-1}	1×10^1	1×10^4
Ir-194	3×10^{-1}	3×10^{-1}	1×10^2	1×10^5
Potassium (19)				
K-40	9×10^{-1}	9×10^{-1}	1×10^2	1×10^6
K-42	2×10^{-1}	2×10^{-1}	1×10^2	1×10^6
K-43	7×10^{-1}	6×10^{-1}	1×10^1	1×10^6
Krypton (36)				
Kr-79	4×10^0	2×10^0	1×10^3	1×10^5
Kr-81	4×10^1	4×10^1	1×10^4	1×10^7
Kr-85	1×10^1	1×10^1	1×10^5	1×10^4

Radionuclide (atomic number)	A ₁	A ₂	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
	(TBq)	(TBq)		
Kr-85m	8×10^0	3×10^0	1×10^3	1×10^{10}
Kr-87	2×10^{-1}	2×10^{-1}	1×10^2	1×10^9
Lanthanum (57)				
La-137	3×10^1	6×10^0	1×10^3	1×10^7
La-140	4×10^{-1}	4×10^{-1}	1×10^1	1×10^5
Lutetium (71)				
Lu-172	6×10^{-1}	6×10^{-1}	1×10^1	1×10^6
Lu-173	8×10^0	8×10^0	1×10^2	1×10^7
Lu-174	9×10^0	9×10^0	1×10^2	1×10^7
Lu-174m	2×10^1	1×10^1	1×10^2	1×10^7
Lu-177	3×10^1	7×10^{-1}	1×10^3	1×10^7
Magnesium (12)				
Mg-28 ^(a)	3×10^{-1}	3×10^{-1}	1×10^1	1×10^5
Manganese (25)				
Mn-52	3×10^{-1}	3×10^{-1}	1×10^1	1×10^5
Mn-53	Unlimited	Unlimited	1×10^4	1×10^9
Mn-54	1×10^0	1×10^0	1×10^1	1×10^6
Mn-56	3×10^{-1}	3×10^{-1}	1×10^1	1×10^5
Molybdenum (42)				
Mo-93	4×10^1	2×10^1	1×10^3	1×10^8
Mo-99 ^(a)	1×10^0	6×10^{-1}	1×10^2	1×10^6
Nitrogen (7)				
N-13	9×10^{-1}	6×10^{-1}	1×10^2	1×10^9
Sodium (11)				
Na-22	5×10^{-1}	5×10^{-1}	1×10^1	1×10^6
Na-24	2×10^{-1}	2×10^{-1}	1×10^1	1×10^5
Niobium (41)				
Nb-93m	4×10^1	3×10^1	1×10^4	1×10^7
Nb-94	7×10^{-1}	7×10^{-1}	1×10^1	1×10^6
Nb-95	1×10^0	1×10^0	1×10^1	1×10^6
Nb-97	9×10^{-1}	6×10^{-1}	1×10^1	1×10^6
Neodymium (60)				
Nd-147	6×10^0	6×10^{-1}	1×10^2	1×10^6
Nd-149	6×10^{-1}	5×10^{-1}	1×10^2	1×10^6
Nickel (28)				
Ni-59	Unlimited	Unlimited	1×10^4	1×10^8
Ni-63	4×10^1	3×10^1	1×10^5	1×10^8
Ni-65	4×10^{-1}	4×10^{-1}	1×10^1	1×10^6
Neptunium (93)				
Np-235	4×10^1	4×10^1	1×10^3	1×10^7
Np-236 (short lived)	2×10^1	2×10^0	1×10^3	1×10^7
Np-236 (long lived)	9×10^0	2×10^{-2}	1×10^2	1×10^5
Np-237	2×10^1	2×10^{-3}	1×10^0 (b)	1×10^3 (b)
Np-239	7×10^0	4×10^{-1}	1×10^2	1×10^7
Osmium (76)				
Os-185	1×10^0	1×10^0	1×10^1	1×10^6
Os-191	1×10^1	2×10^0	1×10^2	1×10^7
Os-191m	4×10^1	3×10^1	1×10^3	1×10^7
Os-193	2×10^0	6×10^{-1}	1×10^2	1×10^6
Os-194 ^(a)	3×10^{-1}	3×10^{-1}	1×10^2	1×10^5
Phosphorus (15)				
P-32	5×10^{-1}	5×10^{-1}	1×10^3	1×10^5
P-33	4×10^1	1×10^0	1×10^5	1×10^8
Protactinium (91)				
Pa-230 ^(a)	2×10^0	7×10^{-2}	1×10^1	1×10^6
Pa-231	4×10^0	4×10^{-4}	1×10^0	1×10^3
Pa-233	5×10^0	7×10^{-1}	1×10^2	1×10^7
Lead (82)				
Pb-201	1×10^0	1×10^0	1×10^1	1×10^6
Pb-202	4×10^1	2×10^1	1×10^3	1×10^6
Pb-203	4×10^0	3×10^0	1×10^2	1×10^6
Pb-205	Unlimited	Unlimited	1×10^4	1×10^7
Pb-210 ^(a)	1×10^0	5×10^{-2}	1×10^1 (b)	1×10^4 (b)
Pb-212 ^(a)	7×10^{-1}	2×10^{-1}	1×10^1 (b)	1×10^5 (b)
Palladium (46)				
Pd-103 ^(a)	4×10^1	4×10^1	1×10^3	1×10^8

Radionuclide (atomic number)	A ₁	A ₂	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
	(TBq)	(TBq)		
Pd-107	Unlimited	Unlimited	1×10^5	1×10^8
Pd-109	2×10^0	5×10^{-1}	1×10^3	1×10^6
Promethium (61)				
Pm-143	3×10^0	3×10^0	1×10^2	1×10^6
Pm-144	7×10^{-1}	7×10^{-1}	1×10^1	1×10^6
Pm-145	3×10^1	1×10^1	1×10^3	1×10^7
Pm-147	4×10^1	2×10^0	1×10^4	1×10^7
Pm-148m ^(a)	8×10^{-1}	7×10^{-1}	1×10^1	1×10^6
Pm-149	2×10^0	6×10^{-1}	1×10^3	1×10^6
Pm-151	2×10^0	6×10^{-1}	1×10^2	1×10^6
Polonium (84)				
Po-210	4×10^1	2×10^{-2}	1×10^1	1×10^4
Praseodymium (59)				
Pr-142	4×10^{-1}	4×10^{-1}	1×10^2	1×10^5
Pr-143	3×10^0	6×10^{-1}	1×10^4	1×10^6
Platinum (78)				
Pt-188 ^(a)	1×10^0	8×10^{-1}	1×10^1	1×10^6
Pt-191	4×10^0	3×10^0	1×10^2	1×10^6
Pt-193	4×10^1	4×10^1	1×10^4	1×10^7
Pt-193m	4×10^1	5×10^{-1}	1×10^3	1×10^7
Pt-195m	1×10^1	5×10^{-1}	1×10^2	1×10^6
Pt-197	2×10^1	6×10^{-1}	1×10^3	1×10^6
Pt-197m	1×10^1	6×10^{-1}	1×10^2	1×10^6
Plutonium (94)				
Pu-236	3×10^1	3×10^{-3}	1×10^1	1×10^4
Pu-237	2×10^1	2×10^{-1}	1×10^3	1×10^7
Pu-238	1×10^1	1×10^{-3}	1×10^0	1×10^4
Pu-239	1×10^1	1×10^{-3}	1×10^0	1×10^4
Pu-240	1×10^1	1×10^{-3}	1×10^0	1×10^3
Pu-241 ^(a)	4×10^1	6×10^{-2}	1×10^2	1×10^5
Pu-242	1×10^1	1×10^{-3}	1×10^0	1×10^4
Pu-244 ^(a)	4×10^{-1}	1×10^{-3}	1×10^0	1×10^4
Radium (88)				
Ra-223 ^(a)	4×10^{-1}	7×10^{-3}	1×10^2 ^(b)	1×10^5 ^(b)
Ra-224 ^(a)	4×10^{-1}	2×10^{-2}	1×10^1 ^(b)	1×10^5 ^(b)
Ra-225 ^(a)	2×10^{-1}	4×10^{-3}	1×10^2	1×10^5
Ra-226 ^(a)	2×10^{-1}	3×10^{-3}	1×10^1 ^(b)	1×10^4 ^(b)
Ra-228 ^(a)	6×10^{-1}	2×10^{-2}	1×10^1 ^(b)	1×10^5 ^(b)
Rubidium (37)				
Rb-81	2×10^0	8×10^{-1}	1×10^1	1×10^6
Rb-83 ^(a)	2×10^0	2×10^0	1×10^2	1×10^6
Rb-84	1×10^0	1×10^0	1×10^1	1×10^6
Rb-86	5×10^{-1}	5×10^{-1}	1×10^2	1×10^5
Rb-87	Unlimited	Unlimited	1×10^4	1×10^7
Rb (nat)	Unlimited	Unlimited	1×10^4	1×10^7
Rhenium (75)				
Re-184	1×10^0	1×10^0	1×10^1	1×10^6
Re-184m	3×10^0	1×10^0	1×10^2	1×10^6
Re-186	2×10^0	6×10^{-1}	1×10^3	1×10^6
Re-187	Unlimited	Unlimited	1×10^6	1×10^9
Re-188	4×10^{-1}	4×10^{-1}	1×10^2	1×10^5
Re-189 ^(a)	3×10^0	6×10^{-1}	1×10^2	1×10^6
Re (nat)	Unlimited	Unlimited	1×10^6	1×10^9
Rhodium (45)				
Rh-99	2×10^0	2×10^0	1×10^1	1×10^6
Rh-101	4×10^0	3×10^0	1×10^2	1×10^7
Rh-102	5×10^{-1}	5×10^{-1}	1×10^1	1×10^6
Rh-102m	2×10^0	2×10^0	1×10^2	1×10^6
Rh-103m	4×10^1	4×10^1	1×10^4	1×10^8
Rh-105	1×10^1	8×10^{-1}	1×10^2	1×10^7
Radon (86)				
Rn-222 ^(a)	3×10^{-1}	4×10^{-3}	1×10^1 ^(b)	1×10^8 ^(b)
Ruthenium (44)				
Ru-97	5×10^0	5×10^0	1×10^2	1×10^7
Ru-103 ^(a)	2×10^0	2×10^0	1×10^2	1×10^6
Ru-105	1×10^0	6×10^{-1}	1×10^1	1×10^6

Radionuclide (atomic number)	A ₁ (TBq)	A ₂ (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Ru-106 ^(a)	2×10^{-1}	2×10^{-1}	1×10^{-2} ^(b)	1×10^5 ^(b)
Sulphur (16)				
S-35	4×10^1	3×10^0	1×10^5	1×10^8
Antimony (51)				
Sb-122	4×10^{-1}	4×10^{-1}	1×10^2	1×10^4
Sb-124	6×10^{-1}	6×10^{-1}	1×10^1	1×10^6
Sb-125	2×10^0	1×10^0	1×10^2	1×10^6
Sb-126	4×10^{-1}	4×10^{-1}	1×10^1	1×10^5
Scandium (21)				
Sc-44	5×10^{-1}	5×10^{-1}	1×10^1	1×10^5
Sc-46	5×10^{-1}	5×10^{-1}	1×10^1	1×10^6
Sc-47	1×10^1	7×10^{-1}	1×10^2	1×10^6
Sc-48	3×10^{-1}	3×10^{-1}	1×10^1	1×10^5
Selenium (34)				
Se-75	3×10^0	3×10^0	1×10^2	1×10^6
Se-79	4×10^1	2×10^0	1×10^4	1×10^7
Silicon (14)				
Si-31	6×10^{-1}	6×10^{-1}	1×10^3	1×10^6
Si-32	4×10^1	5×10^{-1}	1×10^3	1×10^6
Samarium (62)				
Sm-145	1×10^1	1×10^1	1×10^2	1×10^7
Sm-147	Unlimited	Unlimited	1×10^1	1×10^4
Sm-151	4×10^1	1×10^1	1×10^4	1×10^8
Sm-153	9×10^0	6×10^{-1}	1×10^2	1×10^6
Tin (50)				
Sn-113 ^(a)	4×10^0	2×10^0	1×10^3	1×10^7
Sn-117m	7×10^0	4×10^{-1}	1×10^2	1×10^6
Sn-119m	4×10^1	3×10^1	1×10^3	1×10^7
Sn-121m ^(a)	4×10^1	9×10^{-1}	1×10^3	1×10^7
Sn-123	8×10^{-1}	6×10^{-1}	1×10^3	1×10^6
Sn-125	4×10^{-1}	4×10^{-1}	1×10^2	1×10^5
Sn-126 ^(a)	6×10^{-1}	4×10^{-1}	1×10^1	1×10^5
Strontium (38)				
Sr-82 ^(a)	2×10^{-1}	2×10^{-1}	1×10^1	1×10^5
Sr-85	2×10^0	2×10^0	1×10^2	1×10^6
Sr-85m	5×10^0	5×10^0	1×10^2	1×10^7
Sr-87m	3×10^0	3×10^0	1×10^2	1×10^6
Sr-89	6×10^{-1}	6×10^{-1}	1×10^3	1×10^6
Sr-90 ^(a)	3×10^{-1}	3×10^{-1}	1×10^2 ^(b)	1×10^4 ^(b)
Sr-91 ^(a)	3×10^{-1}	3×10^{-1}	1×10^1	1×10^5
Sr-92 ^(a)	1×10^0	3×10^{-1}	1×10^1	1×10^6
Tritium (1)				
T (H-3)	4×10^1	4×10^1	1×10^6	1×10^9
Tantalum (73)				
Ta-178 (long lived)	1×10^0	8×10^{-1}	1×10^1	1×10^6
Ta-179	3×10^1	3×10^1	1×10^3	1×10^7
Ta-182	9×10^{-1}	5×10^{-1}	1×10^1	1×10^4
Terbium (65)				
Tb-157	4×10^1	4×10^1	1×10^4	1×10^7
Tb-158	1×10^0	1×10^0	1×10^1	1×10^6
Tb-160	1×10^0	6×10^{-1}	1×10^1	1×10^6
Technetium (43)				
Tc-95m ^(a)	2×10^0	2×10^0	1×10^1	1×10^6
Tc-96	4×10^{-1}	4×10^{-1}	1×10^1	1×10^6
Tc-96m ^(a)	4×10^{-1}	4×10^{-1}	1×10^3	1×10^7
Tc-97	Unlimited	Unlimited	1×10^3	1×10^8
Tc-97m	4×10^1	1×10^0	1×10^3	1×10^7
Tc-98	8×10^{-1}	7×10^{-1}	1×10^1	1×10^6
Tc-99	4×10^1	9×10^{-1}	1×10^4	1×10^7
Tc-99m	1×10^1	4×10^0	1×10^2	1×10^7
Tellurium (52)				
Te-121	2×10^0	2×10^0	1×10^1	1×10^6
Te-121m	5×10^0	3×10^0	1×10^2	1×10^6
Te-123m	8×10^0	1×10^0	1×10^2	1×10^7
Te-125m	2×10^1	9×10^{-1}	1×10^3	1×10^7
Te-127	2×10^1	7×10^{-1}	1×10^3	1×10^6

Radionuclide (atomic number)	A ₁ (TBq)	A ₂ (TBq)	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
Te-127m ^(a)	2×10^{-1}	5×10^{-1}	1×10^3	1×10^7
Te-129	7×10^{-1}	6×10^{-1}	1×10^2	1×10^6
Te-129m ^(a)	8×10^{-1}	4×10^{-1}	1×10^3	1×10^6
Te-131m ^(a)	7×10^{-1}	5×10^{-1}	1×10^1	1×10^6
Te-132 ^(a)	5×10^{-1}	4×10^{-1}	1×10^2	1×10^7
Thorium (90)				
Th-227	1×10^{-1}	5×10^{-3}	1×10^1	1×10^4
Th-228 ^(a)	5×10^{-1}	1×10^{-3}	1×10^0 ^(b)	1×10^4 ^(b)
Th-229	5×10^0	5×10^{-4}	1×10^0 ^(b)	1×10^3 ^(b)
Th-230	1×10^{-1}	1×10^{-3}	1×10^0	1×10^4
Th-231	4×10^{-1}	2×10^{-2}	1×10^3	1×10^7
Th-232	Unlimited	Unlimited	1×10^1	1×10^4
Th-234 ^(a)	3×10^{-1}	3×10^{-1}	1×10^3 ^(b)	1×10^5 ^(b)
Th (nat)	Unlimited	Unlimited	1×10^0 ^(b)	1×10^3 ^(b)
Titanium (22)				
Ti-44 ^(a)	5×10^{-1}	4×10^{-1}	1×10^1	1×10^5
Thallium (81)				
Tl-200	9×10^{-1}	9×10^{-1}	1×10^1	1×10^6
Tl-201	1×10^1	4×10^0	1×10^2	1×10^6
Tl-202	2×10^0	2×10^0	1×10^2	1×10^6
Tl-204	1×10^{-1}	7×10^{-1}	1×10^4	1×10^4
Thulium (69)				
Tm-167	7×10^0	8×10^{-1}	1×10^2	1×10^6
Tm-170	3×10^0	6×10^{-1}	1×10^3	1×10^6
Tm-171	4×10^{-1}	4×10^{-1}	1×10^4	1×10^8
Uranium (92)				
U-230 (fast lung absorption) ^{(a)(d)}	4×10^{-1}	1×10^{-1}	1×10^1 ^(b)	1×10^5 ^(b)
U-230 (medium lung absorption) ^{(a)(e)}	4×10^{-1}	4×10^{-3}	1×10^1	1×10^4
U-230 (slow lung absorption) ^{(a)(f)}	3×10^{-1}	3×10^{-3}	1×10^1	1×10^4
U-232 (fast lung absorption) ^(d)	4×10^{-1}	1×10^{-2}	1×10^0 ^(b)	1×10^3 ^(b)
U-232 (medium lung absorption) ^(e)	4×10^{-1}	7×10^{-3}	1×10^1	1×10^4
U-232 (slow lung absorption) ^(f)	1×10^{-1}	1×10^{-3}	1×10^1	1×10^4
U-233 (fast lung absorption) ^(d)	4×10^{-1}	9×10^{-2}	1×10^1	1×10^4
U-233 (medium lung absorption) ^(e)	4×10^{-1}	2×10^{-2}	1×10^2	1×10^5
U-233 (slow lung absorption) ^(f)	4×10^{-1}	6×10^{-3}	1×10^1	1×10^5
U-234 (fast lung absorption) ^(d)	4×10^{-1}	9×10^{-2}	1×10^1	1×10^4
U-234 (medium lung absorption) ^(e)	4×10^{-1}	2×10^{-2}	1×10^2	1×10^5
U-234 (slow lung absorption) ^(f)	4×10^{-1}	6×10^{-3}	1×10^1	1×10^5
U-235 (all lung absorption types) ^{(a)(d)(e)(f)}	Unlimited	Unlimited	1×10^1 ^(b)	1×10^4 ^(b)
U-236 (fast lung absorption) ^(d)	Unlimited	Unlimited	1×10^1	1×10^4
U-236 (medium lung absorption) ^(e)	4×10^{-1}	2×10^{-2}	1×10^2	1×10^5
U-236 (slow lung absorption) ^(f)	4×10^{-1}	6×10^{-3}	1×10^1	1×10^4
U-238 (all lung absorption types) ^{(d)(e)(f)}	Unlimited	Unlimited	1×10^1 ^(b)	1×10^4 ^(b)
U (nat)	Unlimited	Unlimited	1×10^0 ^(b)	1×10^3 ^(b)
U (enriched to 20% or less) ^(g)	Unlimited	Unlimited	1×10^0	1×10^3
U (dep)	Unlimited	Unlimited	1×10^0	1×10^3
Vanadium (23)				
V-48	4×10^{-1}	4×10^{-1}	1×10^1	1×10^5
V-49	4×10^{-1}	4×10^{-1}	1×10^4	1×10^7
Tungsten (74)				
W-178 ^(a)	9×10^0	5×10^0	1×10^1	1×10^6
W-181	3×10^{-1}	3×10^{-1}	1×10^3	1×10^7
W-185	4×10^{-1}	8×10^{-1}	1×10^4	1×10^7
W-187	2×10^0	6×10^{-1}	1×10^2	1×10^6
W-188 ^(a)	4×10^{-1}	3×10^{-1}	1×10^2	1×10^5
Xenon (54)				
Xe-122 ^(a)	4×10^{-1}	4×10^{-1}	1×10^2	1×10^9
Xe-123	2×10^0	7×10^{-1}	1×10^2	1×10^9

Radionuclide (atomic number)	A ₁	A ₂	Activity concentration for exempt material (Bq/g)	Activity limit for an exempt consignment (Bq)
	(TBq)	(TBq)		
Xe-127	4×10^0	2×10^0	1×10^3	1×10^5
Xe-131m	4×10^1	4×10^1	1×10^4	1×10^4
Xe-133	2×10^1	1×10^1	1×10^3	1×10^4
Xe-135	3×10^0	2×10^0	1×10^3	1×10^{10}
Yttrium (39)				
Y-87 ^(a)	1×10^0	1×10^0	1×10^1	1×10^6
Y-88	4×10^{-1}	4×10^{-1}	1×10^1	1×10^6
Y-90	3×10^{-1}	3×10^{-1}	1×10^3	1×10^5
Y-91	6×10^{-1}	6×10^{-1}	1×10^3	1×10^6
Y-91m	2×10^0	2×10^0	1×10^2	1×10^6
Y-92	2×10^{-1}	2×10^{-1}	1×10^2	1×10^5
Y-93	3×10^{-1}	3×10^{-1}	1×10^2	1×10^5
Ytterbium (70)				
Yb-169	4×10^0	1×10^0	1×10^2	1×10^7
Yb-175	3×10^1	9×10^{-1}	1×10^3	1×10^7
Zinc (30)				
Zn-65	2×10^0	2×10^0	1×10^1	1×10^6
Zn-69	3×10^0	6×10^{-1}	1×10^4	1×10^6
Zn-69m ^(a)	3×10^0	6×10^{-1}	1×10^2	1×10^6
Zirconium (40)				
Zr-88	3×10^0	3×10^0	1×10^2	1×10^6
Zr-93	Unlimited	Unlimited	1×10^3 ^(b)	1×10^7 ^(b)
Zr-95 ^(a)	2×10^0	8×10^{-1}	1×10^1	1×10^6
Zr-97 ^(a)	4×10^{-1}	4×10^{-1}	1×10^1 ^(b)	1×10^5 ^(b)

(a) A₁ and/or A₂ values for these parent radionuclides include contributions from daughter radionuclides with half-lives less than 10 days, as listed in the following:

Mg-28	Al-28
Ar-42	K-42
Ca-47	Sc-47
Ti-44	Sc-44
Fe-52	Mn-52m
Fe-60	Co-60m
Zn-69m	Zn-69
Ge-68	Ga-68
Rb-83	Kr-83m
Sr-82	Rb-82
Sr-90	Y-90
Sr-91	Y-91m
Sr-92	Y-92
Y-87	Sr-87m
Zr-95	Nb-95m
Zr-97	Nb-97m, Nb-97
Mo-99	Tc-99m
Tc-95m	Tc-95
Tc-96m	Tc-96
Ru-103	Rh-103m
Ru-106	Rh-106
Pd-103	Rh-103m
Ag-108m	Ag-108
Ag-110m	Ag-110
Cd-115	In-115m
In-114m	In-114
Sn-113	In-113m
Sn-121m	Sn-121
Sn-126	Sb-126m
Te-118	Sb-118
Te-127m	Te-127
Te-129m	Te-129
Te-131m	Te-131
Te-132	I-132
I-135	Xe-135m
Xe-122	I-122
Cs-137	Ba-137m
Ba-131	Cs-131

Ba-140	La-140
Ce-144	Pr-144m, Pr-144
Pm-148m	Pm-148
Gd-146	Eu-146
Dy-166	Ho-166
Hf-172	Lu-172
W-178	Ta-178
W-188	Re-188
Re-189	Os-189m
Os-194	Ir-194
Ir-189	Os-189m
Pt-188	Ir-188
Hg-194	Au-194
Hg-195m	Hg-195
Pb-210	Bi-210
Pb-212	Bi-212, Tl-208, Po-212
Bi-210m	Tl-206
Bi-212	Tl-208, Po-212
At-211	Po-211
Rn-222	Po-218, Pb-214, At-218, Bi-214, Po-214
Ra-223	Rn-219, Po-215, Pb-211, Bi-211, Po-211, Tl-207
Ra-224	Rn-220, Po-216, Pb-212, Bi-212, Tl-208, Po-212
Ra-225	Ac-225, Fr-221, At-217, Bi-213, Tl-209, Po-213, Pb-209
Ra-226	Rn-222, Po-218, Pb-214, At-218, Bi-214, Po-214
Ra-228	Ac-228
Ac-225	Fr-221, At-217, Bi-213, Tl-209, Po-213, Pb-209
Ac-227	Fr-223
Th-228	Ra-224, Rn-220, Po-216, Pb-212, Bi-212, Tl-208, Po-212
Th-234	Pa-234m, Pa-234
Pa-230	Ac-226, Th-226, Fr-222, Ra-222, Rn-218, Po-214
U-230	Th-226, Ra-222, Rn-218, Po-214
U-235	Th-231
Pu-241	U-237
Pu-244	U-240, Np-240m
Am-242m	Am-242, Np-238
Am-243	Np-239
Cm-247	Pu-243
Bk-249	Am-245
Cf-253	Cm-249

(b) Parent nuclides and their progeny included in secular equilibrium are listed in the following:

Sr-90	Y-90
Zr-93	Nb-93m
Zr-97	Nb-97
Ru-106	Rh-106
Ag-108m	Ag-108
Cs-137	Ba-137m
Ce-144	Pr-144
Ba-140	La-140
Bi-212	Tl-208 (0.36), Po-212 (0.64)
Pb-210	Bi-210, Po-210
Pb-212	Bi-212, Tl-208 (0.36), Po-212 (0.64)
Rn-222	Po-218, Pb-214, Bi-214, Po-214
Ra-223	Rn-219, Po-215, Pb-211, Bi-211, Tl-207
Ra-224	Rn-220, Po-216, Pb-212, Bi-212, Tl-208 (0.36), Po-212 (0.64)
Ra-226	Rn-222, Po-218, Pb-214, Bi-214, Po-214, Pb-210, Bi-210, Po-210
Ra-228	Ac-228
Th-228	Ra-224, Rn-220, Po-216, Pb-212, Bi-212, Tl-208 (0.36), Po-212 (0.64)
Th-229	Ra-225, Ac-225, Fr-221, At-217, Bi-213, Po-213, Pb-209
Th-nat	Ra-228, Ac-228, Th-228, Ra-224, Rn-220, Po-216, Pb-212, Bi-212, Tl-208 (0.36), Po-212 (0.64)
Th-234	Pa-234m
U-230	Th-226, Ra-222, Rn-218, Po-214
U-232	Th-228, Ra-224, Rn-220, Po-216, Pb-212, Bi-212, Tl-208 (0.36), Po-212 (0.64)
U-235	Th-231
U-238	Th-234, Pa-234m
U-nat	Th-234, Pa-234m, U-234, Th-230, Ra-226, Rn-222, Po-218, Pb-214, Bi-214, Po-214, Pb-210, Bi-210, Po-210

Np-237 Pa-233
Am-242m Am-242
Am-243 Np-239

- (c) The quantity may be determined from a measurement of the rate of decay or a measurement of the radiation level at a prescribed distance from the source.
- (d) These values apply only to compounds of uranium that take the chemical form of UF_6 , UO_2F_2 and $\text{UO}_2(\text{NO}_3)_2$ in both normal and accident conditions of carriage.
- (e) These values apply only to compounds of uranium that take the chemical form of UO_3 , UF_4 , UCl_4 and hexavalent compounds in both normal and accident conditions of carriage.
- (f) These values apply to all compounds of uranium other than those specified in (d) and (e) above.
- (g) These values apply to unirradiated uranium only.

2.2.7.2.2.2 For individual radionuclides which are not listed in Table 2.2.7.2.2.1 the determination of the basic radionuclide values referred to in 2.2.7.2.2.1 shall require multilateral approval. It is permissible to use an A_2 value calculated using a dose coefficient for the appropriate lung absorption type as recommended by the International Commission on Radiological Protection, if the chemical forms of each radionuclide under both normal and accident conditions of carriage are taken into consideration. Alternatively, the radionuclide values in Table 2.2.7.2.2.2 may be used without obtaining competent authority approval.

Table 2.2.7.2.2.2: Basic radionuclide values for unknown radionuclides or mixtures

Radioactive contents	A_1	A_2	Activity concentration for exempt material	Activity limit for an exempt consignment
	(TBq)	(TBq)	(Bq/g)	(Bq)
Only beta or gamma emitting nuclides are known to be present	0.1	0.02	1×10^1	1×10^4
Alpha emitting nuclides but no neutron emitters are known to be present	0.2	9×10^{-5}	1×10^{-1}	1×10^3
Neutron emitting nuclides are known to be present or no relevant data are available	0.001	9×10^{-5}	1×10^{-1}	1×10^3

2.2.7.2.2.3 In the calculations of A_1 and A_2 for a radionuclide not in Table 2.2.7.2.2.1, a single radioactive decay chain in which the radionuclides are present in their naturally occurring proportions, and in which no daughter nuclide has a half-life either longer than 10 days or longer than that of the parent nuclide, shall be considered as a single radionuclide; and the activity to be taken into account and the A_1 or A_2 value to be applied shall be those corresponding to the parent nuclide of that chain. In the case of radioactive decay chains in which any daughter nuclide has a half-life either longer than 10 days or greater than that of the parent nuclide, the parent and such daughter nuclides shall be considered as mixtures of different nuclides.

2.2.7.2.2.4 For mixtures of radionuclides, the determination of the basic radionuclide values referred to in 2.2.7.2.2.1 may be determined as follows:

$$X_m = \frac{1}{\sum_i \frac{f(i)}{X(i)}}$$

where

$f(i)$ is the fraction of activity or activity concentration of radionuclide i in the mixture;

$X(i)$ is the appropriate value of A_1 or A_2 , or the activity concentration for exempt material or the activity limit for an exempt consignment as appropriate for the radionuclide i ; and

X_m is the derived value of A_1 or A_2 , or the activity concentration for exempt material or the activity limit for an exempt consignment in the case of a mixture.

2.2.7.2.2.5 When the identity of each radionuclide is known but the individual activities of some of the radionuclides are not known, the radionuclides may be grouped and the lowest radionuclide value, as appropriate, for the radionuclides in each group may be used in applying the formulas in 2.2.7.2.2.4 and 2.2.7.2.4.4. Groups may

be based on the total alpha activity and the total beta/gamma activity when these are known, using the lowest radionuclide values for the alpha emitters or beta/gamma emitters, respectively.

2.2.7.2.2.6 For individual radionuclides or for mixtures of radionuclides for which relevant data are not available, the values shown in Table 2.2.7.2.2.2 shall be used.

2.2.7.2.3 Determination of other material characteristics

2.2.7.2.3.1 Low specific activity (LSA) material

2.2.7.2.3.1.1 (Reserved)

2.2.7.2.3.1.2 LSA material shall be in one of three groups:

(a) LSA-I

- (i) uranium and thorium ores and concentrates of such ores, and other ores containing naturally occurring radionuclides which are intended to be processed for the use of these radionuclides;
- (ii) natural uranium, depleted uranium, natural thorium or their compounds or mixtures, that are unirradiated and in solid or liquid form;
- (iii) radioactive material for which the A_2 value is unlimited, excluding fissile material not excepted under 2.2.7.2.3.5; or
- (iv) other radioactive material in which the activity is distributed throughout and the estimated average specific activity does not exceed 30 times the values for activity concentration specified in 2.2.7.2.2.1 to 2.2.7.2.2.6, excluding fissile material not excepted under 2.2.7.2.3.5;

(b) LSA-II

- (i) water with tritium concentration up to 0.8 TBq/l; or
- (ii) other material in which the activity is distributed throughout and the estimated average specific activity does not exceed $10^{-4} A_2/g$ for solids and gases, and $10^{-5} A_2/g$ for liquids;

(c) LSA-III

Solids (e.g. consolidated wastes, activated materials), excluding powders meeting the requirements of 2.2.7.2.3.1.3, in which:

- (i) the radioactive material is distributed throughout a solid or a collection of solid objects, or is essentially uniformly distributed in a solid compact binding agent (such as concrete, bitumen, ceramic, etc.);
- (ii) the radioactive material is relatively insoluble, or it is intrinsically contained in a relatively insoluble matrix, so that, even under loss of packaging, the loss of radioactive material per package by leaching when placed in water for seven days would not exceed $0.1 A_2$; and
- (iii) the estimated average specific activity of the solid, excluding any shielding material, does not exceed $2 \times 10^{-3} A_2/g$.

2.2.7.2.3.1.3 LSA-III material shall be a solid of such a nature that if the entire contents of a package were subjected to the test specified in 2.2.7.2.3.1.4 the activity in the water would not exceed $0.1 A_2$.

2.2.7.2.3.1.4 LSA-III material shall be tested as follows:

A solid material sample representing the entire contents of the package shall be immersed for 7 days in water at ambient temperature. The volume of water to be used in the test shall be sufficient to ensure that at the end of the 7 day test period the free volume of the unabsorbed and unreacted water remaining shall be at least 10% of the volume of the solid test sample itself. The water shall have an initial pH of 6-8 and a maximum conductivity of 1 mS/m at 20 °C. The total activity of the free volume of water shall be measured following the 7 day immersion of the test sample.

2.2.7.2.3.1.5 Demonstration of compliance with the performance standards in 2.2.7.2.3.1.4 shall be in accordance with 6.4.12.1 and 6.4.12.2.

2.2.7.2.3.2 Surface contaminated object (SCO)

SCO is classified in one of two groups:

(a) SCO-I: A solid object on which:

- (i) the non-fixed contamination on the accessible surface averaged over 300 cm^2 (or the area of the surface if less than 300 cm^2) does not exceed 4 Bq/cm^2 for beta and gamma emitters and low toxicity alpha emitters, or 0.4 Bq/cm^2 for all other alpha emitters; and
- (ii) the fixed contamination on the accessible surface averaged over 300 cm^2 (or the area of the surface if less than 300 cm^2) does not exceed $4 \times 10^4 \text{ Bq/cm}^2$ for beta and gamma emitters and low toxicity alpha emitters, or $4 \times 10^3 \text{ Bq/cm}^2$ for all other alpha emitters; and
- (iii) the non-fixed contamination plus the fixed contamination on the inaccessible surface averaged over 300 cm^2 (or the area of the surface if less than 300 cm^2) does not exceed $4 \times 10^4 \text{ Bq/cm}^2$ for beta and gamma emitters and low toxicity alpha emitters, or $4 \times 10^3 \text{ Bq/cm}^2$ for all other alpha emitters;

- (b) SCO-II: A solid object on which either the fixed or non-fixed contamination on the surface exceeds the applicable limits specified for SCO-I in (a) above and on which:
- (i) the non-fixed contamination on the accessible surface averaged over 300 cm² (or the area of the surface if less than 300 cm²) does not exceed 400 Bq/cm² for beta and gamma emitters and low toxicity alpha emitters, or 40 Bq/cm² for all other alpha emitters; and
 - (ii) the fixed contamination on the accessible surface, averaged over 300 cm² (or the area of the surface if less than 300 cm²) does not exceed 8×10^5 Bq/cm² for beta and gamma emitters and low toxicity alpha emitters, or 8×10^4 Bq/cm² for all other alpha emitters; and
 - (iii) the non-fixed contamination plus the fixed contamination on the inaccessible surface averaged over 300 cm² (or the area of the surface if less than 300 cm²) does not exceed 8×10^5 Bq/cm² for beta and gamma emitters and low toxicity alpha emitters, or 8×10^4 Bq/cm² for all other alpha emitters.

2.2.7.2.3.3 Special form radioactive material

2.2.7.2.3.3.1 Special form radioactive material shall have at least one dimension not less than 5 mm. When a sealed capsule constitutes part of the special form radioactive material, the capsule shall be so manufactured that it can be opened only by destroying it. The design for special form radioactive material requires unilateral approval.

2.2.7.2.3.3.2 Special form radioactive material shall be of such a nature or shall be so designed that if it is subjected to the tests specified in 2.2.7.2.3.3.4 to 2.2.7.2.3.3.8, it shall meet the following requirements:

- (a) It would not break or shatter under the impact, percussion and bending tests 2.2.7.2.3.3.5 (a), (b), (c) and 2.2.7.2.3.3.6 (a) as applicable;
- (b) It would not melt or disperse in the applicable heat test 2.2.7.2.3.3.5 (d) or 2.2.7.2.3.3.6 (b) as applicable; and
- (c) The activity in the water from the leaching tests specified in 2.2.7.2.3.3.7 and 2.2.7.2.3.3.8 would not exceed 2 kBq; or alternatively for sealed sources, the leakage rate for the volumetric leakage assessment test specified in ISO 9978:1992 "Radiation Protection – Sealed Radioactive Sources – Leakage Test Methods", would not exceed the applicable acceptance threshold acceptable to the competent authority.

2.2.7.2.3.3.3 Demonstration of compliance with the performance standards in 2.2.7.2.3.3.2 shall be in accordance with 6.4.12.1 and 6.4.12.2.

2.2.7.2.3.3.4 Specimens that comprise or simulate special form radioactive material shall be subjected to the impact test, the percussion test, the bending test, and the heat test specified in 2.2.7.2.3.3.5 or alternative tests as authorized in 2.2.7.2.3.3.6. A different specimen may be used for each of the tests. Following each test, a leaching assessment or volumetric leakage test shall be performed on the specimen by a method no less sensitive than the methods given in 2.2.7.2.3.3.7 for indispersible solid material or 2.2.7.2.3.3.8 for encapsulated material.

2.2.7.2.3.3.5 The relevant test methods are:

- (a) Impact test: The specimen shall drop onto the target from a height of 9 m. The target shall be as defined in 6.4.14;
- (b) Percussion test: The specimen shall be placed on a sheet of lead which is supported by a smooth solid surface and struck by the flat face of a mild steel bar so as to cause an impact equivalent to that resulting from a free drop of 1.4 kg through 1 m. The lower part of the bar shall be 25 mm in diameter with the edges rounded off to a radius of (3.0 ± 0.3) mm. The lead, of hardness number 3.5 to 4.5 on the Vickers scale and not more than 25 mm thick, shall cover an area greater than that covered by the specimen. A fresh surface of lead shall be used for each impact. The bar shall strike the specimen so as to cause maximum damage;
- (c) Bending test: The test shall apply only to long, slender sources with both a minimum length of 10 cm and a length to minimum width ratio of not less than 10. The specimen shall be rigidly clamped in a horizontal position so that one half of its length protrudes from the face of the clamp. The orientation of the specimen shall be such that the specimen will suffer maximum damage when its free end is struck by the flat face of a steel bar. The bar shall strike the specimen so as to cause an impact equivalent to that resulting from a free vertical drop of 1.4 kg through 1 m. The lower part of the bar shall be 25 mm in diameter with the edges rounded off to a radius of (3.0 ± 0.3) mm;
- (d) Heat test: The specimen shall be heated in air to a temperature of 800 °C and held at that temperature for a period of 10 minutes and shall then be allowed to cool.

2.2.7.2.3.3.6 Specimens that comprise or simulate radioactive material enclosed in a sealed capsule may be excepted from:

- (a) The tests prescribed in 2.2.7.2.3.3.5 (a) and (b) provided the mass of the special form radioactive material:
 - (i) is less than 200 g and they are alternatively subjected to the Class 4 impact test prescribed in ISO 2919:1999 "Radiation protection – Sealed radioactive sources – General requirements and classification"; or

- (ii) is less than 500 g and they are alternatively subjected to the Class 5 impact test prescribed in ISO 2919:1999 "Radiation protection – Sealed radioactive sources – General requirements and classification"; and
- (b) The test prescribed in 2.2.7.2.3.3.5 (d) provided they are alternatively subjected to the Class 6 temperature test specified in ISO 2919:1999 "Radiation protection – Sealed radioactive sources – General requirements and classification".

2.2.7.2.3.3.7 For specimens which comprise or simulate indispersible solid material, a leaching assessment shall be performed as follows:

- (a) The specimen shall be immersed for 7 days in water at ambient temperature. The volume of water to be used in the test shall be sufficient to ensure that at the end of the 7 day test period the free volume of the unabsorbed and unreacted water remaining shall be at least 10% of the volume of the solid test sample itself. The water shall have an initial pH of 6–8 and a maximum conductivity of 1 mS/m at 20 °C;
- (b) The water with specimen shall then be heated to a temperature of (50 ± 5) °C and maintained at this temperature for 4 hours;
- (c) The activity of the water shall then be determined;
- (d) The specimen shall then be kept for at least 7 days in still air at not less than 30 °C and relative humidity not less than 90%;
- (e) The specimen shall then be immersed in water of the same specification as in (a) above and the water with the specimen heated to (50 ± 5) °C and maintained at this temperature for 4 hours;
- (f) The activity of the water shall then be determined.

2.2.7.2.3.3.8 For specimens which comprise or simulate radioactive material enclosed in a sealed capsule, either a leaching assessment or a volumetric leakage assessment shall be performed as follows:

- (a) The leaching assessment shall consist of the following steps:
 - (i) the specimen shall be immersed in water at ambient temperature. The water shall have an initial pH of 6–8 with a maximum conductivity of 1 mS/m at 20 °C;
 - (ii) the water and specimen shall be heated to a temperature of (50 ± 5) °C and maintained at this temperature for 4 hours;
 - (iii) the activity of the water shall then be determined;
 - (iv) the specimen shall then be kept for at least 7 days in still air at not less than 30 °C and relative humidity of not less than 90%;
 - (v) the process in (i), (ii) and (iii) shall be repeated;
- (b) The alternative volumetric leakage assessment shall comprise any of the tests prescribed in ISO 9978:1992 "Radiation Protection – Sealed radioactive sources – Leakage test methods", which are acceptable to the competent authority.

2.2.7.2.3.4 Low dispersible radioactive material

2.2.7.2.3.4.1 The design for low dispersible radioactive material shall require multilateral approval. Low dispersible radioactive material shall be such that the total amount of this radioactive material in a package, taking into account the provisions of 6.4.8.14, shall meet the following requirements:

- (a) The radiation level at 3 m from the unshielded radioactive material does not exceed 10 mSv/h;
- (b) If subjected to the tests specified in 6.4.20.3 and 6.4.20.4, the airborne release in gaseous and particulate forms of up to 100 µm aerodynamic equivalent diameter would not exceed 100 A₂. A separate specimen may be used for each test; and
- (c) If subjected to the test specified in 2.2.7.2.3.1.4 the activity in the water would not exceed 100 A₂. In the application of this test, the damaging effects of the tests specified in (b) above shall be taken into account.

2.2.7.2.3.4.2 Low dispersible radioactive material shall be tested as follows:

A specimen that comprises or simulates low dispersible radioactive material shall be subjected to the enhanced thermal test specified in 6.4.20.3 and the impact test specified in 6.4.20.4. A different specimen may be used for each of the tests. Following each test, the specimen shall be subjected to the leach test specified in 2.2.7.2.3.1.4. After each test it shall be determined if the applicable requirements of 2.2.7.2.3.4.1 have been met.

2.2.7.2.3.4.3 Demonstration of compliance with the performance standards in 2.2.7.2.3.4.1 and 2.2.7.2.3.4.2 shall be in accordance with 6.4.12.1 and 6.4.12.2.

2.2.7.2.3.5 Fissile material

Packages containing fissile material shall be classified under the relevant entry of Table 2.2.7.2.1.1, the description of which includes the words "FISSILE" or "fissile-excepted". Classification as "fissile-excepted" is allowed only if one of the conditions (a) to (d) of this paragraph is met. Only one type of exception is allowed per consignment (see also 6.4.7.2).

- (a) A mass limit per consignment, provided that the smallest external dimension of each package is not less than 10 cm, such that:

$$\frac{\text{mass of uranium - 235 (g)}}{X} + \frac{\text{mass of other fissile material (g)}}{Y} < 1$$

where X and Y are the mass limits defined in Table 2.2.7.2.3.5, provided that either:

- (i) each individual package contains not more than 15 g of fissile nuclides; for unpackaged material, this quantity limitation shall apply to the consignment being carried in or on the wagon; or
 - (ii) the fissile material is a homogeneous hydrogenous solution or mixture where the ratio of fissile nuclides to hydrogen is less than 5% by mass; or
 - (iii) there are not more than 5 g of fissile nuclides in any 10 litre volume of material.
- Beryllium shall not be present in quantities exceeding 1% of the applicable consignment mass limits provided in Table 2.2.7.2.3.5 except where the concentration of beryllium in the material does not exceed 1 gram beryllium in any 1 000 grams.
- Deuterium shall also not be present in quantities exceeding 1% of the applicable consignment mass limits provided in Table 2.2.7.2.3.5 except where deuterium occurs up to natural concentration in hydrogen.
- (b) Uranium enriched in uranium-235 to a maximum of 1% by mass, and with a total plutonium and uranium-233 content not exceeding 1% of the mass of uranium-235, provided that the fissile nuclides are distributed essentially homogeneously throughout the material. In addition, if uranium-235 is present in metallic, oxide or carbide forms, it shall not form a lattice arrangement;
 - (c) Liquid solutions of uranyl nitrate enriched in uranium-235 to a maximum of 2% by mass, with a total plutonium and uranium-233 content not exceeding 0.002% of the mass of uranium, and with a minimum nitrogen to uranium atomic ratio (N/U) of 2;
 - (d) Plutonium containing not more than 20% of fissile nuclides by mass up to a maximum of 1 kg of plutonium per consignment. Shipments under this exception shall be under exclusive use.

Table 2.2.7.2.3.5: Consignment mass limits for exceptions from the requirements for packages containing fissile material

Fissile material	Fissile material mass (g) mixed with substances having an average hydrogen density less than or equal to water	Fissile material mass (g) mixed with substances having an average hydrogen density greater than water
Uranium-235 (X)	400	290
Other fissile material (Y)	250	180

2.2.7.2.4 Classification of packages or unpacked material

The quantity of radioactive material in a package shall not exceed the relevant limits for the package type as specified below.

2.2.7.2.4.1 Classification as excepted package

2.2.7.2.4.1.1 Packages may be classified as excepted packages if:

- (a) They are empty packagings having contained radioactive material;
- (b) They contain instruments or articles in limited quantities as specified in Table 2.2.7.2.4.1.2;
- (c) They contain articles manufactured of natural uranium, depleted uranium or natural thorium; or
- (d) They contain radioactive material in limited quantities as specified in Table 2.2.7.2.4.1.2.

2.2.7.2.4.1.2 A package containing radioactive material may be classified as an excepted package, provided that the radiation level at any point on its external surface does not exceed 5 µSv/h.

Table 2.2.7.2.4.1.2: Activity limits for excepted packages

Physical state of contents	Instruments or articles		Materials
	Item limits ^(a)	Package limits ^(a)	Package limits ^(a)
(1)	(2)	(3)	(4)
Solids			
special form	$10^{-2} A_1$	A_1	$10^{-3} A_1$
other form	$10^{-2} A_2$	A_2	$10^{-3} A_2$
Liquids	$10^{-3} A_2$	$10^{-1} A_2$	$10^{-4} A_2$
Gases			
tritium	$2 \times 10^{-2} A_2$	$2 \times 10^{-1} A_2$	$2 \times 10^{-2} A_2$
special form	$10^{-3} A_1$	$10^{-2} A_1$	$10^{-3} A_1$
other form	$10^{-3} A_2$	$10^{-2} A_2$	$10^{-3} A_2$

- (a) For mixtures of radionuclides, see 2.2.7.2.2.4 to 2.2.7.2.2.6.

2.2.7.2.4.1.3 Radioactive material which is enclosed in or is included as a component part of an instrument or other manufactured article may be classified under UN No. 2911 RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – INSTRUMENTS or ARTICLES, only if:

- (a) The radiation level at 10 cm from any point on the external surface of any unpackaged instrument or article is not greater than 0.1 mSv/h; and
- (b) Each instrument or manufactured article bears the marking "RADIOACTIVE" except:
 - (i) radioluminescent time-pieces or devices;
 - (ii) consumer products that either have received regulatory approval according to 1.7.1.4 (d) or do not individually exceed the activity limit for an exempt consignment in Table 2.2.7.2.2.1 (column 5), provided such products are carried in a package that bears the marking "RADIOACTIVE" on an internal surface in such a manner that warning of the presence of radioactive material is visible on opening the package; and
- (c) The active material is completely enclosed by non-active components (a device performing the sole function of containing radioactive material shall not be considered to be an instrument or manufactured article); and
- (d) The limits specified in columns 2 and 3 of Table 2.2.7.2.4.1.2 are met for each individual item and each package, respectively.

2.2.7.2.4.1.4 Radioactive material in forms other than as specified in 2.2.7.2.4.1.3 and with an activity not exceeding the limits specified in column 4 of Table 2.2.7.2.4.1.2, may be classified under UN No. 2910 RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – LIMITED QUANTITY OF MATERIAL, provided that:

- (a) The package retains its radioactive contents under routine conditions of carriage; and
- (b) The package bears the marking "RADIOACTIVE" on an internal surface in such a manner that a warning of the presence of radioactive material is visible on opening the package.

2.2.7.2.4.1.5 An empty packaging which had previously contained radioactive material may be classified under UN No. 2908 RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – EMPTY PACKAGING, only if:

- (a) It is in a well-maintained condition and securely closed;
- (b) The outer surface of any uranium or thorium in its structure is covered with an inactive sheath made of metal or some other substantial material;
- (c) The level of internal non-fixed contamination, when averaged over any 300 cm², does not exceed:
 - (i) 400 Bq/cm² for beta and gamma emitters and low toxicity alpha emitters; and
 - (ii) 40 Bq/cm² for all other alpha emitters; and
- (d) Any labels which may have been displayed on it in conformity with 5.2.2.1.11.1 are no longer visible.

2.2.7.2.4.1.6 Articles manufactured of natural uranium, depleted uranium or natural thorium and articles in which the sole radioactive material is unirradiated natural uranium, unirradiated depleted uranium or unirradiated natural thorium may be classified under UN No. 2909 RADIOACTIVE MATERIAL, EXCEPTED PACKAGE – ARTICLES MANUFACTURED FROM NATURAL URANIUM or DEPLETED URANIUM or NATURAL THORIUM, only if the outer surface of the uranium or thorium is enclosed in an inactive sheath made of metal or some other substantial material.

2.2.7.2.4.2 Classification as Low specific activity (LSA) material

Radioactive material may only be classified as LSA material if the definition of LSA in 2.2.7.1.3 and the conditions of 2.2.7.2.3.1, 4.1.9.2 and 7.5.11 CW 33 (2) are met.

2.2.7.2.4.3 Classification as Surface contaminated object (SCO)

Radioactive material may be classified as SCO if the definition of SCO in 2.2.7.1.3 and the conditions of 2.2.7.2.3.2, 4.1.9.2 and 7.5.11 CW 33 (2) are met.

2.2.7.2.4.4 Classification as Type A package

Packages containing radioactive material may be classified as Type A packages, provided that the following conditions are met:

Type A packages shall not contain activities greater than the following:

- (a) For special form radioactive material: A₁; or
- (b) For all other radioactive material: A₂.

For mixtures of radionuclides whose identities and respective activities are known, the following condition shall apply to the radioactive contents of a Type A package:

$$\sum_i \frac{B(i)}{A_1(i)} + \sum_j \frac{C(j)}{A_2(j)} \leq 1$$

where

$B(i)$ is the activity of radionuclide i as special form radioactive material;

$A_1(i)$ is the A_1 value for radionuclide i ;

$C(j)$ is the activity of radionuclide j as other than special form radioactive material; and

$A_2(j)$ is the A_2 value for radionuclide j .

2.2.7.2.4.5 Classification of Uranium hexafluoride

Uranium hexafluoride shall only be assigned to UN Nos. 2977 RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE, or 2978 RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non-fissile or fissile-excepted.

2.2.7.2.4.5.1 Packages containing uranium hexafluoride shall not contain:

- (a) A mass of uranium hexafluoride different from that authorized for the package design;
- (b) A mass of uranium hexafluoride greater than a value that would lead to an ullage smaller than 5% at the maximum temperature of the package as specified for the plant systems where the package shall be used; or
- (c) Uranium hexafluoride other than in solid form or at an internal pressure above atmospheric pressure when presented for carriage.

2.2.7.2.4.6 Classification as Type B(U), Type B(M) or Type C packages

2.2.7.2.4.6.1 Packages not otherwise classified in 2.2.7.2.4 (2.2.7.2.4.1 to 2.2.7.2.4.5) shall be classified in accordance with the competent authority approval certificate for the package issued by the country of origin of design.

2.2.7.2.4.6.2 A package may only be classified as a Type B(U) if it does not contain:

- (a) Activities greater than those authorized for the package design;
 - (b) Radionuclides different from those authorized for the package design; or
 - (c) Contents in a form, or a physical or chemical state different from those authorized for the package design;
- as specified in the certificate of approval.

2.2.7.2.4.6.3 A package may only be classified as a Type B(M) if it does not contain:

- (a) Activities greater than those authorized for the package design;
 - (b) Radionuclides different from those authorized for the package design; or
 - (c) Contents in a form, or a physical or chemical state different from those authorized for the package design;
- as specified in the certificate of approval.

2.2.7.2.4.6.4 A package may only be classified as a Type C if it does not contain:

- (a) Activities greater than those authorized for the package design;
 - (b) Radionuclides different from those authorized for the package design; or
 - (c) Contents in a form, or physical or chemical state different from those authorized for the package design;
- as specified in the certificate of approval.

2.2.7.2.5 Special arrangements

Radioactive material shall be classified as transported under special arrangement when it is intended to be carried in accordance with 1.7.4.

2.2.8 Class 8: Corrosive substances**2.2.8.1 Criteria**

2.2.8.1.1 The heading of Class 8 covers substances and articles containing substances of this class which by chemical action attack epithelial tissue – of skin or mucous membranes – with which they are in contact, or which in the event of leakage are capable of damaging or destroying other goods, or means of transport. The heading of this class also covers other substances which form a corrosive liquid only in the presence of water, or which produce corrosive vapour or mist in the presence of natural moisture of the air.

2.2.8.1.2 Substances and articles of Class 8 are subdivided as follows:

C1 - C11 Corrosive substances without subsidiary risk and articles containing such substances:

C1 - C4 Acid substances:

C1 Inorganic, liquid;

C2 Inorganic, solid;

C3 Organic, liquid;

C4 Organic, solid;

C5 - C8 Basic substances:

C5 Inorganic, liquid;

C6 Inorganic, solid;

C7 Organic, liquid;

C8 Organic, solid;

C9 - C10 Other corrosive substances:

C9 Liquid;

C10 Solid;

C11 Articles;

CF Corrosive substances, flammable:

CF1 Liquid;

CF2 Solid;

CS Corrosive substances, self-heating:

CS1 Liquid;

CS2 Solid;

CW Corrosive substances which, in contact with water, emit flammable gases:

CW1 Liquid;

CW2 Solid;

CO Corrosive substances, oxidizing:

CO1 Liquid;

CO2 Solid;

CT Corrosive substances, toxic and articles containing such substances:

CT1 Liquid;

CT2 Solid;

CT3 Articles;

CFT Corrosive substances, flammable, liquid, toxic;

COT Corrosive substances, oxidizing, toxic.

Classification and assignment of packing groups

2.2.8.1.3 Substances of Class 8 shall be classified in three packing groups according to the degree of danger they present for carriage, as follows:

Packing group I: highly corrosive substances

Packing group II: corrosive substances

Packing group III: slightly corrosive substances.

2.2.8.1.4 Substances and articles classified in Class 8 are listed in Table A of Chapter 3.2. Allocation of substances to packing groups I, II and III has been made on the basis of experience taking into account such additional factors as inhalation risk (see 2.2.8.1.5) and reactivity with water (including the formation of dangerous decomposition products).

2.2.8.1.5 A substance or preparation meeting the criteria of Class 8 having an inhalation toxicity of dusts and mists (LC_{50}) in the range of packing group I, but toxicity through oral ingestion or dermal contact only in the range of packing group III or less, shall be allocated to Class 8.

2.2.8.1.6 Substances, including mixtures, not mentioned by name in Table A of Chapter 3.2 can be assigned to the relevant entry of 2.2.8.3, and to the relevant packing group on the basis of the length of time of contact necessary to produce full thickness destruction of human skin in accordance with the criteria of (a) to (c) below.

Liquids, and solids which may become liquid during carriage, which are judged not to cause full thickness destruction of human skin shall still be considered for their potential to cause corrosion to certain metal surfaces. In assigning the packing group, account shall be taken of human experience in instances of accidental exposure. In the absence of human experience, the grouping shall be based on data obtained from experiments in accordance with OECD Test Guideline 404⁸ or 435⁹. A substance which is determined not to be corrosive in accordance with OECD Test Guideline 430¹⁰ or 431¹¹ may be considered not to be corrosive to skin for the purposes of RID without further testing.

- (a) Packing group I is assigned to substances that cause full thickness destruction of intact skin tissue within an observation period up to 60 minutes starting after the exposure time of 3 minutes or less.
- (b) Packing group II is assigned to substances that cause full thickness destruction of intact skin tissue within an observation period up to 14 days starting after the exposure time of more than 3 minutes but not more than 60 minutes.
- (c) Packing group III is assigned to substances that:
 - cause full thickness destruction of intact skin tissue within an observation period up to 14 days starting after the exposure time of more than 60 minutes but not more than 4 hours; or
 - are judged not to cause full thickness destruction of intact skin tissue, but which exhibit a corrosion rate on either steel or aluminium surfaces exceeding 6.25 mm a year at a test temperature of 55 °C when tested on both materials. For the purposes of testing steel, type S235JR+CR (1.0037 resp. St 37-2), S275J2G3+CR (1.0144 resp. St 44-3), ISO 3574, Unified Numbering System (UNS) G10200 or SAE 1020, and for testing aluminium, non-clad, types 7075-T6 or AZ5GU-T6 shall be used. An acceptable test is prescribed in the Manual of Tests and Criteria, Part III, Section 37.

NOTE: Where an initial test on either steel or aluminium indicates the substance being tested is corrosive the follow up test on the other metal is not required.

Table 2.2.8.1.6: Table summarizing the criteria in 2.2.8.1.6

Packing group	Exposure time	Observation period	Effect
I	≤ 3 min	≤ 60 min	Full thickness destruction of intact skin
II	> 3 min ≤ 1 h	≤ 14 d	Full thickness destruction of intact skin
III	> 1 h ≤ 4 h	≤ 14 d	Full thickness destruction of intact skin
III	–	–	Corrosion rate on either steel or aluminium surfaces exceeding 6.25 mm a year at a test temperature of 55 °C when tested on both materials

2.2.8.1.7 If substances of Class 8, as a result of admixtures, come into categories of risk different from those to which the substances mentioned by name in Table A of Chapter 3.2 belong, these mixtures or solutions shall be assigned to the entries to which they belong, on the basis of their actual degree of danger.

NOTE: For the classification of solutions and mixtures (such as preparations and wastes), see also 2.1.3.

⁸ OECD Guideline for the testing of chemicals No. 404 "Acute Dermal Irritation/Corrosion" 2002.

⁹ OECD Guideline for the testing of chemicals No. 435 "In Vitro Membrane Barrier Test Method for Skin Corrosion" 2006.

¹⁰ OECD Guideline for the testing of chemicals No. 430 "In Vitro Skin Corrosion: Transcutaneous Electrical Resistance Test (TER)" 2004.

¹¹ OECD Guideline for the testing of chemicals No. 431 "In Vitro Skin Corrosion: Human Skin Model Test" 2004.

2.2.8.1.8 On the basis of the criteria set out in paragraph 2.2.8.1.6, it may also be determined whether the nature of a solution or mixture mentioned by name or containing a substance mentioned by name is such that the solution or mixture is not subject to the provisions for this class.

2.2.8.1.9 Substances, solutions and mixtures, which

- do not meet the criteria of Directives 67/548/EEC¹² or 1999/45/EC¹³ as amended and therefore are not classified as corrosive according to these directives, as amended; and
- do not exhibit a corrosive effect on steel or aluminium,

may be considered as substances not belonging to Class 8.

NOTE: UN No. 1910 calcium oxide and UN No. 2812 sodium aluminate, listed in the UN Model Regulations, are not subject to the provisions of RID.

2.2.8.2 Substances not accepted for carriage

2.2.8.2.1 The chemically unstable substances of Class 8 shall not be accepted for carriage unless the necessary steps have been taken to prevent their dangerous decomposition or polymerization during carriage. To this end it shall in particular be ensured that receptacles and tanks do not contain any substance liable to promote these reactions.

2.2.8.2.2 The following substances shall not be accepted for carriage:

- UN No. 1798 NITROHYDROCHLORIC ACID;
- Chemically unstable mixtures of spent sulphuric acid;
- Chemically unstable mixtures of nitrating acid or mixtures of residual sulphuric and nitric acids, not denitrated;
- Perchloric acid aqueous solution with more than 72% pure acid, by mass, or mixtures of perchloric acid with any liquid other than water.

The following substance shall not be accepted for carriage by rail:

- Sulphur trioxide, at least 99.95% pure, without inhibitor (non-stabilized).

2.2.8.3 List of collective entries

Classification code		UN No.	Name of the substance or article
Corrosive substances <u>without</u> subsidiary risk and articles containing such substances			
Acid	inorganic	liquid C1	2584 ALKYL SULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid or 2584 ARYL SULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid 2693 BISULPHITES, AQUEOUS SOLUTION, N.O.S. 2837 BISULPHATES, AQUEOUS SOLUTION 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
		solid C2	1740 HYDROGEN DIFLUORIDES, SOLID, N.O.S. 2583 ALKYL SULPHONIC ACIDS, SOLID with more than 5% free sulphuric acid or 2583 ARYL SULPHONIC ACIDS, SOLID with more than 5% free sulphuric acid 3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

¹² Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (Official Journal of the European Communities No. L 196 of 16 August 1967, page 1).

¹³ Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 on the approximation of laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations (Official Journal of the European Communities No. L 200 of 30 July 1999, pages 1 to 68).

Acid (cont'd)	organic	liquid C3	2586	ALKYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid or	
			2586	ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	
			2987	CHLOROSILANES, CORROSIVE, N.O.S.	
			3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C ₂ -C ₁₂ homologues)	
			3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	
		solid C4	2430	ALKYLPHENOLS, SOLID, N.O.S. (including C ₂ -C ₁₂ homologues)	
			2585	ALKYLSULPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid or	
			2585	ARYLSULPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid	
	inorganic	liquid C5 solid C6	3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	
			1719	CAUSTIC ALKALI LIQUID, N.O.S.	
2797			BATTERY FLUID, ALKALI		
Basic	organic	liquid C7	3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	
			3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	
			2735	AMINES, LIQUID, CORROSIVE, N.O.S. or	
		solid C8	2735	POLYAMINES, LIQUID, CORROSIVE, N.O.S.	
			3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	
			3259	AMINES, SOLID, CORROSIVE, N.O.S., or	
		Other corrosive Substances	liquid C9 solid ^(a) C10	3259	POLYAMINES, SOLID, CORROSIVE, N.O.S.
				3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.
	Articles	C11	liquid C9	1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
				2801	DYE, LIQUID, CORROSIVE, N.O.S. or
2801				DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	
3066				PAINT (including paint, enamel, stain, shellac, varnish, polish, liquid filler and lacquer base) or	
3066				PAINT RELATED MATERIAL (including paint thinning or reducing compound)	
solid ^(a) C10			1760	CORROSIVE LIQUID, N.O.S.	
			3147	DYE, SOLID, CORROSIVE, N.O.S. or	
			3147	DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	
			3244	SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S.	
			1759	CORROSIVE SOLID, N.O.S.	
Articles	C11	C11	1774	FIRE EXTINGUISHER CHARGES, corrosive liquid	
			2028	BOMBS, SMOKE, NON-EXPLOSIVE with corrosive liquid, without initiating device	
			2794	BATTERIES, WET, FILLED WITH ACID, electric storage	
			2795	BATTERIES, WET, FILLED WITH ALKALI, electric storage	
			2800	BATTERIES, WET, NON-SPILLABLE, electric storage	
			3028	BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID, electric storage	
			3477	FUEL CELL CARTRIDGES containing corrosive substances, or	
Articles	C11	C11	3477	FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, containing corrosive substances, or	
			3477	FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing corrosive substances	

Subsidiary risk	Classification code	UN No.	Name of the substance or article
Corrosive substances <u>with</u> subsidiary risk and articles containing such substances			
Flammable CF	liquid ^(b) CF1	3470	PAINT, CORROSIVE, FLAMMABLE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or
		3470	PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE (including paint thinning and reducing compound)
		2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or
		2734	POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.
		2986	CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.
Self-heating CS	solid CF2	2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.
		2921	CORROSIVE SOLID, FLAMMABLE, N.O.S.
Water-reactive CW	liquid CS1	3301	CORROSIVE LIQUID, SELF-HEATING, N.O.S.
	solid CS2	3095	CORROSIVE SOLID, SELF-HEATING, N.O.S.
Oxidizing CO	liquid ^(b) CW1	3094	CORROSIVE LIQUID, WATER-REACTIVE, N.O.S.
	solid CW2	3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.
Toxic ^(d) CT	liquid CO1	3093	CORROSIVE LIQUID, OXIDIZING, N.O.S.
	solid CO2	3084	CORROSIVE SOLID, OXIDIZING, N.O.S.
	liquid ^(c) CT1	3471	HYDROGENDIFLUORIDES SOLUTION, N.O.S.
		2922	CORROSIVE LIQUID, TOXIC, N.O.S.
Flammable, liquid, toxic ^(d)	solid ^(e) CT2	2923	CORROSIVE SOLID, TOXIC, N.O.S.
	articles CT3	3506	MERCURY CONTAINED IN MANUFACTURED ARTICLES
Oxidizing, toxic ^{(d),(e)}	CFT	(No collective entry with this classification code available; if need be, classification under a collective entry with a classification code to be determined according to table of precedence of hazard in 2.1.3.10.)	
	COT	(No collective entry with this classification code available; if need be, classification under a collective entry with a classification code to be determined according to table of precedence of hazard in 2.1.3.10.)	

Footnotes

- (a) Mixtures of solids which are not subject to the provisions of RID and of corrosive liquids may be carried under UN No. 3244 without being subject to the classification criteria of Class 8, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging, wagon or container is closed. Each packaging shall correspond to a design type which has passed the leakproofness test for Packing group II level.
- (b) Chlorosilanes which, in contact with water or moist air, emit flammable gases, are substances of Class 4.3.
- (c) Chloroformates having predominantly toxic properties are substances of Class 6.1.
- (d) Corrosive substances which are highly toxic by inhalation, as defined in 2.2.61.1.4 to 2.2.61.1.9 are substances of Class 6.1.

- (e) UN No. 1690 SODIUM FLUORIDE, SOLID, UN No. 1812 POTASSIUM FLUORIDE, SOLID, UN No. 2505 AMMONIUM FLUORIDE, UN No. 2674 SODIUM FLUOROSILICATE, UN No. 2856 FLUOROSILICATES, N.O.S., UN No. 3415 SODIUM FLUORIDE SOLUTION and UN No. 3422 POTASSIUM FLUORIDE SOLUTION are substances of Class 6.1.

2.2.9 Class 9: Miscellaneous dangerous substances and articles**2.2.9.1 Criteria**

2.2.9.1.1 The heading of Class 9 covers substances and articles which, during carriage, present a danger not covered by the heading of other classes.

2.2.9.1.2 The substances and articles of Class 9 are subdivided as follows:

- M1 Substances which, on inhalation as fine dust, may endanger health;
- M2 Substances and apparatus which, in the event of fire, may form dioxins;
- M3 Substances evolving flammable vapour;
- M4 Lithium batteries;
- M5 Life-saving appliances;
- M6-M8 Environmentally hazardous substances:
 - M6 Pollutant to the aquatic environment, liquid;
 - M7 Pollutant to the aquatic environment, solid;
 - M8 Genetically modified microorganisms and organisms;
- M9-M10 Elevated temperature substances:
 - M9 Liquid;
 - M10 Solid;
- M11 Other substances presenting a danger during carriage, but not meeting the definitions of another class.

Definitions and classification

2.2.9.1.3 Substances and articles classified in Class 9 are listed in Table A of Chapter 3.2. The assignment of substances and articles not mentioned by name in Table A of Chapter 3.2 to the relevant entry of that Table or of 2.2.9.3 shall be done in accordance with 2.2.9.1.4 to 2.2.9.1.14 below.

Substances which, on inhalation as fine dust, may endanger health

2.2.9.1.4 Substances which, on inhalation as fine dust, may endanger health include asbestos and mixtures containing asbestos.

Substances and apparatus which, in the event of fire, may form dioxins

2.2.9.1.5 Substances and apparatus which, in the event of fire, may form dioxins include polychlorinated biphenyls (PCBs) and terphenyls (PCTs) and polyhalogenated biphenyls and terphenyls and mixtures containing these substances, as well as apparatus such as transformers, condensers and apparatus containing those substances or mixtures.

NOTE: Mixtures with a PCB or PCT content of not more than 50 mg/kg are not subject to the provisions of RID.

Substances evolving flammable vapour

2.2.9.1.6 Substances evolving flammable vapour include polymers containing flammable liquids with a flash-point not exceeding 55 °C.

Lithium batteries

2.2.9.1.7 Cells and batteries, cells and batteries contained in equipment, or cells and batteries packed with equipment, containing lithium in any form shall be assigned to UN Nos. 3090, 3091, 3480 or 3481 as appropriate. They may be carried under these entries if they meet the following provisions:

- (a) Each cell or battery is of the type proved to meet the requirements of each test of the Manual of Tests and Criteria, Part III, sub-section 38.3;

NOTE: Batteries shall be of a type proved to meet the testing requirements of the Manual of Tests and Criteria, part III, sub-section 38.3, irrespective of whether the cells of which they are composed are of a tested type.

- (b) Each cell and battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage;
- (c) Each cell and battery is equipped with an effective means of preventing external short circuits;
- (d) Each battery containing cells or series of cells connected in parallel is equipped with effective means as necessary to prevent dangerous reverse current flow (e.g., diodes, fuses, etc.);

(e) Cells and batteries shall be manufactured under a quality management programme that includes:

- (i) A description of the organizational structure and responsibilities of personnel with regard to design and product quality;
- (ii) The relevant inspection and test, quality control, quality assurance, and process operation instructions that will be used;
- (iii) Process controls that should include relevant activities to prevent and detect internal short circuit failure during manufacture of cells;
- (iv) Quality records, such as inspection reports, test data, calibration data and certificates. Test data shall be kept and made available to the competent authority upon request;
- (v) Management reviews to ensure the effective operation of the quality management programme;
- (vi) A process for control of documents and their revision;
- (vii) A means for control of cells or batteries that are not conforming to the type tested as mentioned in (a) above;
- (viii) Training programmes and qualification procedures for relevant personnel; and
- (ix) Procedures to ensure that there is no damage to the final product.

NOTE: In house quality management programmes may be accepted. Third party certification is not required, but the procedures listed in (i) to (ix) above shall be properly recorded and traceable. A copy of the quality management programme shall be made available to the competent authority upon request.

Lithium batteries are not subject to the provisions of RID if they meet the requirements of special provision 188 of Chapter 3.3.

NOTE: The entry UN 3171 Battery-powered vehicle or UN 3171 Battery-powered equipment only applies to vehicles powered by wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries and equipment powered by wet batteries or sodium batteries transported with these batteries installed.

For the purpose of this UN number, vehicles are self-propelled apparatus designed to carry one or more persons or goods. Examples of such vehicles are electrically-powered cars, motorcycles, scooters, three- and four-wheeled vehicles or motorcycles, e-bikes, wheel-chairs, lawn tractors, boats and aircraft.

Examples of equipment are lawnmowers, cleaning machines or model boats and model aircraft. Equipment powered by lithium metal batteries or lithium ion batteries shall be consigned under the entries UN 3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or UN 3091 LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT or UN 3481 LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or UN 3481 LITHIUM ION BATTERIES PACKED WITH EQUIPMENT, as appropriate.

Hybrid electric vehicles powered by both an internal combustion engine and wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries, transported with the battery(ies) installed shall be classified under the entries UN 3166 vehicle, flammable gas powered or UN 3166 vehicle, flammable liquid powered, as appropriate. Vehicles which contain a fuel cell shall be classified under the entries UN 3166 vehicle, fuel cell, flammable gas powered or UN 3166 vehicle, fuel cell, flammable liquid powered, as appropriate.

Life-saving appliances

2.2.9.1.8 Life-saving appliances include life-saving appliances and motor vehicle components which meet the descriptions of special provisions 235 or 296 of Chapter 3.3.

2.2.9.1.9 (Deleted)

2.2.9.1.10 Environmentally hazardous substances (aquatic environment)**2.2.9.1.10.1 General definitions**

2.2.9.1.10.1.1 Environmentally hazardous substances include, inter alia, liquid or solid substances pollutant to the aquatic environment and solutions and mixtures of such substances (such as preparations and wastes).

For the purposes of 2.2.9.1.10,

"*substance*" means chemical elements and their compounds in the natural state or obtained by any production process, including any additive necessary to preserve the stability of the product and any impurities deriving from the process used, but excluding any solvent which may be separated without affecting the stability of the substance or changing its composition.

2.2.9.1.10.1.2 The aquatic environment may be considered in terms of the aquatic organisms that live in the water, and the aquatic ecosystem of which they are part¹⁴. The basis, therefore, of the identification of hazard is the aquatic toxicity of the substance or mixture, although this may be modified by further information on the degradation and bioaccumulation behaviour.

2.2.9.1.10.1.3 While the following classification procedure is intended to apply to all substances and mixtures, it is recognised that in some cases, e.g. metals or poorly soluble inorganic compounds, special guidance will be necessary¹⁵.

2.2.9.1.10.1.4 The following definitions apply for acronyms or terms used in this section:

- BCF: Bioconcentration Factor;
- BOD: Biochemical Oxygen Demand;
- COD: Chemical Oxygen Demand;
- GLP: Good Laboratory Practices;
- EC_x: the concentration associated with x% response;
- EC₅₀: the effective concentration of substance that causes 50% of the maximum response;
- ErC₅₀: EC₅₀ in terms of reduction of growth;
- K_{ow}: octanol/water partition coefficient;
- LC₅₀ (50% lethal concentration):
the concentration of a substance in water which causes the death of 50% (one half) in a group of test animals;
- L(E)C₅₀: LC₅₀ or EC₅₀;
- NOEC (No Observed Effect Concentration):
the test concentration immediately below the lowest tested concentration with statistically significant adverse effect. The NOEC has no statistically significant adverse effect compared to the control;
- OECD Test Guidelines:
Test guidelines published by the Organization for Economic Cooperation and Development (OECD).

2.2.9.1.10.2 Definitions and data requirements

2.2.9.1.10.2.1 The basic elements for classification of environmentally hazardous substances (aquatic environment) are:

- (a) Acute aquatic toxicity;
- (b) Chronic aquatic toxicity;
- (c) Potential for or actual bioaccumulation; and
- (d) Degradation (biotic or abiotic) for organic chemicals.

2.2.9.1.10.2.2 While data from internationally harmonised test methods are preferred, in practice, data from national methods may also be used where they are considered as equivalent. In general, it has been agreed that freshwater and marine species toxicity data can be considered as equivalent data and are preferably to be derived using OECD Test Guidelines or equivalent according to the principles of Good

¹⁴ This does not address aquatic pollutants for which there may be a need to consider effects beyond the aquatic environment such as the impacts on human health etc.

¹⁵ This can be found in Annex 10 of the GHS.

Laboratory Practices (GLP). Where such data are not available, classification shall be based on the best available data.

2.2.9.1.10.2.3 Acute aquatic toxicity means the intrinsic property of a substance to be injurious to an organism in a short-term aquatic exposure to that substance.

Acute (short-term) hazard, for classification purposes, means the hazard of a chemical caused by its acute toxicity to an organism during short-term aquatic exposure to that chemical.

Acute aquatic toxicity shall normally be determined using a fish 96 hour LC₅₀ (OECD Test Guideline 203 or equivalent), a crustacea species 48 hour EC₅₀ (OECD Test Guideline 202 or equivalent) and/or an algal species 72 or 96 hour EC₅₀ (OECD Test Guideline 201 or equivalent). These species are considered as surrogate for all aquatic organisms and data on other species such as *Lemna* may also be considered if the test methodology is suitable.

2.2.9.1.10.2.4 Chronic aquatic toxicity means the intrinsic property of a substance to cause adverse effects to aquatic organisms during aquatic exposures which are determined in relation to the life-cycle of the organism.

Long-term hazard, for classification purposes, means the hazard of a chemical caused by its chronic toxicity following long-term exposure in the aquatic environment.

Chronic toxicity data are less available than acute data and the range of testing procedures less standardised. Data generated according to the OECD Test Guidelines 210 (Fish Early Life Stage) or 211 (Daphnia Reproduction) and 201 (Algal Growth Inhibition) may be accepted. Other validated and internationally accepted tests may also be used. The NOECs or other equivalent EC_x shall be used.

2.2.9.1.10.2.5 Bioaccumulation means net result of uptake, transformation and elimination of a substance in an organism due to all routes of exposure (i.e. air, water, sediment/soil and food).

The potential for bioaccumulation shall normally be determined by using the octanol/water partition coefficient, usually reported as a log K_{ow} determined according to OECD Test Guideline 107 or 117. While this represents a potential to bioaccumulate, an experimentally determined Bioconcentration Factor (BCF) provides a better measure and shall be used in preference when available. A BCF shall be determined according to OECD Test Guideline 305.

2.2.9.1.10.2.6 Degradation means the decomposition of organic molecules to smaller molecules and eventually to carbon dioxide, water and salts.

Environmental degradation may be biotic or abiotic (e.g. hydrolysis) and the criteria used reflect this fact. Ready biodegradation is most easily defined using the biodegradability tests (A-F) of OECD Test Guideline 301. A pass level in these tests may be considered as indicative of rapid degradation in most environments. These are freshwater tests and thus the use of the results from OECD Test Guideline 306, which is more suitable for marine environments, has also been included. Where such data are not available, a BOD₅ (5 days)/COD ratio ≥ 0.5 is considered as indicative of rapid degradation.

Abiotic degradation such as hydrolysis, primary degradation, both abiotic and biotic, degradation in non-aquatic media and proven rapid degradation in the environment may all be considered in defining rapid degradability¹⁶.

Substances are considered rapidly degradable in the environment if the following criteria are met:

(a) In 28-day ready biodegradation studies, the following levels of degradation are achieved:

- (i) Tests based on dissolved organic carbon: 70%;
- (ii) Tests based on oxygen depletion or carbon dioxide generation: 60% of theoretical maxima;

These levels of biodegradation shall be achieved within 10 days of the start of degradation which point is taken as the time when 10% of the substance has been degraded, unless the substance is identified as a complex, multi-component substance with structurally similar constituents. In this case, and where there is sufficient justification, the 10-day window condition may be waived and the pass level applied at 28 days¹⁷; or

- (b) In those cases where only BOD and COD data are available, when the ratio of BOD₅/COD is ≥ 0.5 ; or
- (c) If other convincing scientific evidence is available to demonstrate that the substance or mixture can be degraded (biotically and/or abiotically) in the aquatic environment to a level above 70% within a 28 day period.

¹⁶ Special guidance on data interpretation is provided in Chapter 4.1 and Annex 9 of the GHS.

¹⁷ See Chapter 4.1 and Annex 9, paragraph A9.4.2.2.3 of the GHS.

2.2.9.1.10.3 Substance classification categories and criteria

2.2.9.1.10.3.1 Substances shall be classified as "environmentally hazardous substances (aquatic environment)", if they satisfy the criteria for Acute 1, Chronic 1 or Chronic 2, according to Table 2.2.9.1.10.3.1. These criteria describe in detail the classification categories. They are diagrammatically summarized in Table 2.2.9.1.10.3.2.

Table 2.2.9.1.10.3.1: Categories for substances hazardous to the aquatic environment (see Note 1)

(a) Acute (short-term) aquatic hazard**Category Acute 1:** (see Note 2)

96 hr LC ₅₀ (for fish)	≤ 1 mg/l and/or
48 hr EC ₅₀ (for crustacea)	≤ 1 mg/l and/or
72 or 96hr ErC ₅₀ (for algae or other aquatic plants)	≤ 1 mg/l (see Note 3)

(b) Long-term aquatic hazard (see also Figure 2.2.9.1.10.3.1)**(i) Non-rapidly degradable substances (see Note 4) for which there are adequate chronic toxicity data available****Category Chronic 1:** (see Note 2)

Chronic NOEC or EC _x (for fish)	≤ 0.1 mg/l and/or
Chronic NOEC or EC _x (for crustacea)	≤ 0.1 mg/l and/or
Chronic NOEC or EC _x (for algae or other aquatic plants)	≤ 0.1 mg/l

Category Chronic 2:

Chronic NOEC or EC _x (for fish)	≤ 1 mg/l and/or
Chronic NOEC or EC _x (for crustacea)	≤ 1 mg/l and/or
Chronic NOEC or EC _x (for algae or other aquatic plants)	≤ 1 mg/l

(ii) Rapidly degradable substances for which there are adequate chronic toxicity data available**Category Chronic 1:** (see Note 2)

Chronic NOEC or EC _x (for fish)	≤ 0.01 mg/l and/or
Chronic NOEC or EC _x (for crustacea)	≤ 0.01 mg/l and/or
Chronic NOEC or EC _x (for algae or other aquatic plants)	≤ 0.01 mg/l

Category Chronic 2:

Chronic NOEC or EC _x (for fish)	≤ 0.1 mg/l and/or
Chronic NOEC or EC _x (for crustacea)	≤ 0.1 mg/l and/or
Chronic NOEC or EC _x (for algae or other aquatic plants)	≤ 0.1 mg/l

(iii) Substances for which adequate chronic toxicity data are not available**Category Chronic 1:** (see Note 2)

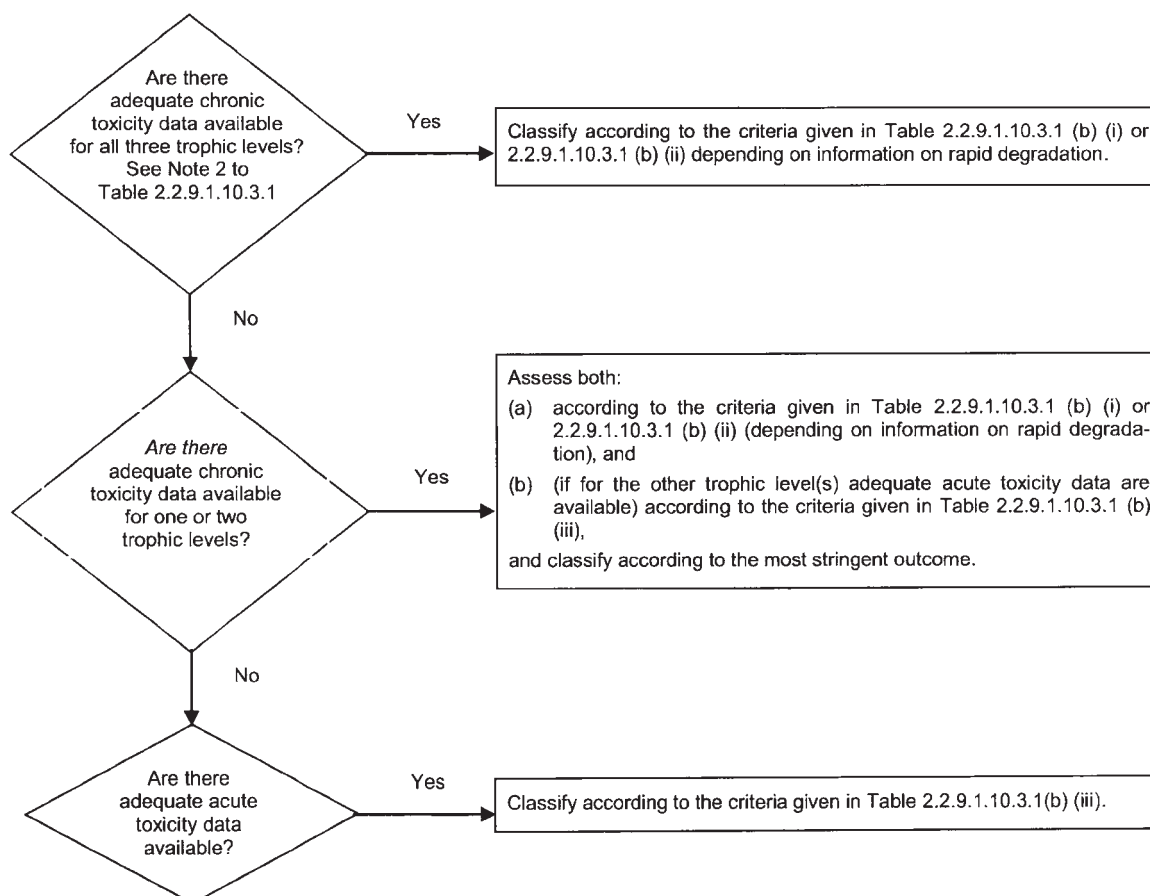
96 hr LC ₅₀ (for fish)	≤ 1 mg/l and/or
48 hr EC ₅₀ (for crustacea)	≤ 1 mg/l and/or
72 or 96hr ErC ₅₀ (for algae or other aquatic plants)	≤ 1 mg/l (see Note 3)
and the substance is not rapidly degradable and/or the experimentally determined BCF is ≥ 500 (or, if absent the log K _{ow} ≥ 4) (see Notes 4 and 5).	

Category Chronic 2:

96 hr LC ₅₀ (for fish)	> 1 bis ≤ 10 mg/l and/or
48 hr EC ₅₀ (for crustacea)	> 1 bis ≤ 10 mg/l and/or
72 or 96hr ErC ₅₀ (for algae or other aquatic plants)	> 1 bis ≤ 10 mg/l (see Note 3)
and the substance is not rapidly degradable and/or the experimentally determined BCF is ≥ 500 (or, if absent the log K _{ow} ≥ 4) (see Notes 4 and 5).	

- NOTE 1:** The organisms fish, crustacea and algae are tested as surrogate species covering a range of trophic levels and taxa, and the test methods are highly standardized. Data on other organisms may also be considered, however, provided they represent equivalent species and test end-points.
- 2:** When classifying substances as Acute 1 and/or Chronic 1 it is necessary at the same time to indicate an appropriate M factor (see 2.2.9.1.10.4.6.4) to apply the summation method.
- 3:** Where the algal toxicity ErC_{50} (= EC_{50} (growth rate)) falls more than 100 times below the next most sensitive species and results in a classification based solely on this effect, consideration shall be given to whether this toxicity is representative of the toxicity to aquatic plants. Where it can be shown that this is not the case, professional judgment shall be used in deciding if classification shall be applied. Classification shall be based on the ErC_{50} . In circumstances where the basis of the EC_{50} is not specified and no ErC_{50} is recorded, classification shall be based on the lowest EC_{50} available.
- 4:** Lack of rapid degradability is based on either a lack of ready biodegradability or other evidence of lack of rapid degradation. When no useful data on degradability are available, either experimentally determined or estimated data, the substance shall be regarded as not rapidly degradable.
- 5:** Potential to bioaccumulate, based on an experimentally derived $BCF \geq 500$ or, if absent, a $\log K_{ow} \geq 4$ provided $\log K_{ow}$ is an appropriate descriptor for the bioaccumulation potential of the substance. Measured $\log K_{ow}$ values take precedence over estimated values and measured BCF values take precedence over $\log K_{ow}$ values.

Figure 2.2.9.1.10.3.1: Categories for substances long-term hazardous to the aquatic environment



2.2.9.1.10.3.2 The classification scheme in Table 2.2.9.1.10.3.2 below summarizes the classification criteria for substances.

Table 2.2.9.1.10.3.2: Classification scheme for substances hazardous to the aquatic environment

Acute hazard (see Note 1)	Classification categories		
	Long-term hazard (see Note 2)		
	Adequate chronic toxicity data available		Adequate chronic toxicity data not available (see Note 1)
	Non-rapidly degradable substances (see Note 3)	Rapidly degradable substances (see Note 3)	
Category: Acute 1	Category: Chronic 1	Category: Chronic 1	Category: Chronic 1
$L(E)C_{50} \leq 1.00$	$NOEC \text{ or } EC_x \leq 0.1$	$NOEC \text{ or } EC_x \leq 0.01$	$L(E)C_{50} \leq 1.00$ and lack of rapid degradability and/or $BCF \geq 500$ or, if absent $\log K_{ow} \geq 4$
	Category: Chronic 2	Category: Chronic 2	Category: Chronic 2
	$0.1 < NOEC \text{ or } EC_x \leq 1$	$0.01 < NOEC \text{ or } EC_x \leq 0.1$	$1.00 < L(E)C_{50} \leq 10.0$ and lack of rapid degradability and/or $BCF \geq 500$ or, if absent $\log K_{ow} \geq 4$

- NOTE** 1: Acute toxicity band based on $L(E)C_{50}$ values in mg/l for fish, crustacea and/or algae or other aquatic plants (or Quantitative Structure Activity Relationships (QSAR) estimation if no experimental data¹⁸).
- 2: Substances are classified in the various chronic categories unless there are adequate chronic toxicity data available for all three trophic levels above the water solubility or above 1 mg/l. ("Adequate" means that the data sufficiently cover the endpoint of concern. Generally this would mean measured test data, but in order to avoid unnecessary testing it can on a case by case basis also be estimated data, e.g. (Q)SAR, or for obvious cases expert judgment).
- 3: Chronic toxicity band based on NOEC or equivalent EC_x values in mg/l for fish or crustacea or other recognized measures for chronic toxicity.

2.2.9.1.10.4 Mixtures classification categories and criteria

2.2.9.1.10.4.1 The classification system for mixtures covers the classification categories which are used for substances, meaning categories Acute 1 and Chronic 1 and 2. In order to make use of all available data for purposes of classifying the aquatic environmental hazards of the mixture, the following assumption is made and is applied where appropriate:

The "relevant ingredients" of a mixture are those which are present in a concentration equal to or greater than 0.1% (by mass) for ingredients classified as Acute and/or Chronic 1 and equal to or greater than 1% for other ingredients, unless there is a presumption (e.g. in the case of highly toxic ingredients) that an ingredient present at less than 0.1% can still be relevant for classifying the mixture for aquatic environmental hazards.

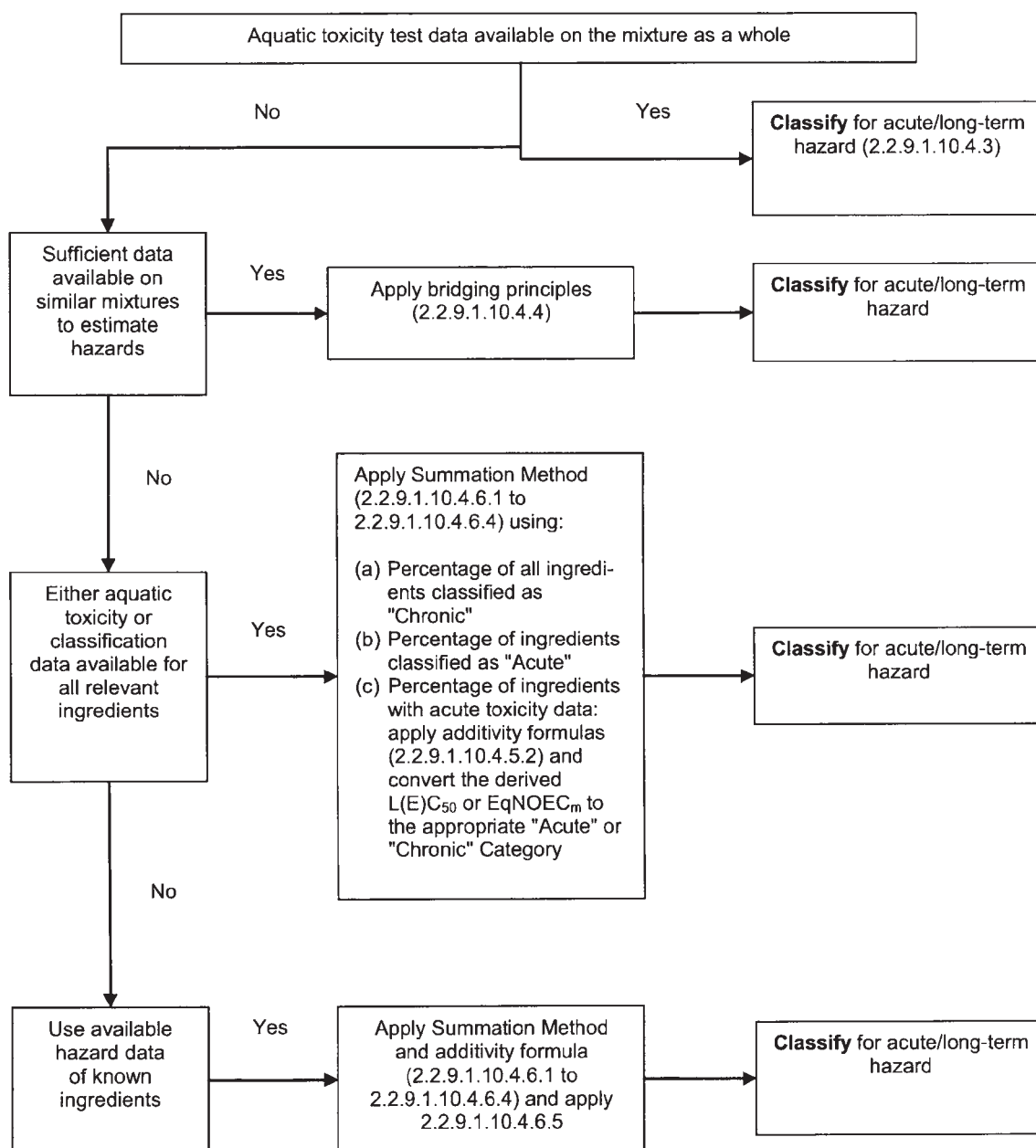
2.2.9.1.10.4.2 The approach for classification of aquatic environmental hazards is tiered, and is dependent upon the type of information available for the mixture itself and for its ingredients. Elements of the tiered approach include:

- Classification based on tested mixtures;
- Classification based on bridging principles;
- The use of "summation of classified ingredients" and/or an "additivity formula".

Figure 2.2.9.1.10.4.2 below outlines the process to be followed.

¹⁸ Special guidance is provided in Chapter 4.1, paragraph 4.1.2.13 and Annex 9, Section A9.6 of the GHS.

Figure 2.2.9.1.10.4.2: Tiered approach to classification of mixtures for acute and long-term aquatic environmental hazards



2.2.9.1.10.4.3 Classification of mixtures when toxicity data are available for the complete mixture

2.2.9.1.10.4.3.1 When the mixture as a whole has been tested to determine its aquatic toxicity, this information shall be used for classifying the mixture according to the criteria that have been agreed for substances. The classification is normally based on the data for fish, crustacea and algae/plants (see 2.2.9.1.10.2.3 and 2.2.9.1.10.2.4). When adequate acute or chronic data for the mixture as a whole are lacking, "bridging principles" or "summation method" shall be applied (see 2.2.9.1.10.4.4 to 2.2.9.1.10.4.6).

2.2.9.1.10.4.3.2 The long-term hazard classification of mixtures requires additional information on degradability and in certain cases bioaccumulation. There are no degradability and bioaccumulation data for mixtures as a whole. Degradability and bioaccumulation tests for mixtures are not used as they are usually difficult to interpret, and such tests may be meaningful only for single substances.

2.2.9.1.10.4.3.3 Classification for category Acute 1

(a) When there are adequate acute toxicity test data (LC_{50} or EC_{50}) available for the mixture as a whole showing $L(E)C_{50} \leq 1$ mg/l:

Classify the mixture as Acute 1 in accordance with Table 2.2.9.1.10.3.1 (a);

(b) When there are acute toxicity test data ($LC_{50}(s)$ or $EC_{50}(s)$) available for the mixture as a whole showing $L(E)C_{50}(s) > 1$ mg/l, or above the water solubility:

No need to classify for acute hazard under RID.

2.2.9.1.10.4.3.4 Classification for categories Chronic 1 and 2

(a) When there are adequate chronic toxicity data (EC_x or NOEC) available for the mixture as a whole showing EC_x or NOEC of the tested mixture ≤ 1 mg/l:

(i) classify the mixture as Chronic 1 or 2 in accordance with Table 2.2.9.1.10.3.1 (b) (ii) (rapidly degradable) if the available information allows the conclusion that all relevant ingredients of the mixture are rapidly degradable;

(ii) classify the mixture as Chronic 1 or 2 in all other cases in accordance with Table 2.2.9.1.10.3.1 (b) (i) (non-rapidly degradable);

(b) When there are adequate chronic toxicity data (EC_x or NOEC) available for the mixture as a whole showing $EC_x(s)$ or NOEC(s) of the tested mixture > 1 mg/l or above the water solubility:

No need to classify for long-term hazard under RID.

2.2.9.1.10.4.4 Classification of mixtures when toxicity data are not available for the complete mixture: bridging principles**2.2.9.1.10.4.4.1** Where the mixture itself has not been tested to determine its aquatic environmental hazard, but there are sufficient data on the individual ingredients and similar tested mixtures to adequately characterise the hazards of the mixture, these data shall be used in accordance with the following agreed bridging rules. This ensures that the classification process uses the available data to the greatest extent possible in characterising the hazards of the mixture without the necessity for additional testing in animals.**2.2.9.1.10.4.4.2** Dilution

Where a new mixture is formed by diluting a tested mixture or a substance with a diluent which has an equivalent or lower aquatic hazard classification than the least toxic original ingredient and which is not expected to affect the aquatic hazards of other ingredients, then the resulting mixture shall be classified as equivalent to the original tested mixture or substance. Alternatively, the method explained in 2.2.9.1.10.4.5 may be applied.

2.2.9.1.10.4.4.3 Batching

The aquatic hazard classification of a tested production batch of a mixture shall be assumed to be substantially equivalent to that of another untested production batch of the same commercial product when produced by or under the control of the same manufacturer, unless there is reason to believe there is significant variation such that the aquatic hazard classification of the untested batch has changed. If the latter occurs, new classification is necessary.

2.2.9.1.10.4.4.4 Concentration of mixtures which are classified with the most severe classification categories (Chronic 1 and Acute 1)

If a tested mixture is classified as Chronic 1 and/or Acute 1, and the ingredients of the mixture which are classified as Chronic 1 and/or Acute 1 are further concentrated, the more concentrated untested mixture shall be classified with the same classification category as the original tested mixture without additional testing.

2.2.9.1.10.4.4.5 Interpolation within one toxicity category

For three mixtures (A, B and C) with identical ingredients, where mixtures A and B have been tested and are in the same toxicity category, and where untested mixture C has the same toxicologically active ingredients as mixtures A and B but has concentrations of toxicologically active ingredients intermediate to the concentrations in mixtures A and B, then mixture C is assumed to be in the same category as A and B.

2.2.9.1.10.4.4.6 Substantially similar mixtures

Given the following:

(a) two mixtures:

(i) A + B;

(ii) C + B;

- (b) the concentration of ingredient B is essentially the same in both mixtures;
- (c) the concentration of ingredient A in mixture (i) equals that of ingredient C in mixture (ii);
- (d) data on aquatic hazards for A and C are available and are substantially equivalent, i.e. they are in the same hazard category and are not expected to affect the aquatic toxicity of B,

If mixture (i) or (ii) is already classified based on test data, then the other mixture can be assigned the same hazard category.

2.2.9.1.10.4.5 Classification of mixtures when toxicity data are available for all ingredients or only for some ingredients of the mixture

2.2.9.1.10.4.5.1 The classification of a mixture shall be based on summation of the concentrations of its classified ingredients. The percentage of ingredients classified as "Acute" or "Chronic" will feed straight into the summation method. Details of the summation method are described in 2.2.9.1.10.4.6.1 to 2.2.9.1.10.4.6.4.

2.2.9.1.10.4.5.2 Mixtures may be made of a combination of both ingredients that are classified (as Acute 1 and/or Chronic 1, 2) and those for which adequate toxicity test data are available. When adequate toxicity data are available for more than one ingredient in the mixture, the combined toxicity of those ingredients shall be calculated using the following additivity formulas (a) or (b), depending on the nature of the toxicity data:

(a) Based on acute aquatic toxicity:

$$\frac{\sum C_i}{L(E)C_{50m}} = \sum \frac{C_i}{L(E)C_{50i}}$$

where:

- C_i = concentration of ingredient i (mass percentage);
- $L(E)C_{50i}$ = LC_{50} or EC_{50} for ingredient i (mg/l);
- n = number of ingredients, and i is running from 1 to n;
- $L(E)C_{50m}$ = $L(E)C_{50}$ of the part of the mixture with test data;

The calculated toxicity shall be used to assign that portion of the mixture an acute hazard category which is then subsequently used in applying the summation method;

(b) Based on chronic aquatic toxicity:

$$\frac{\sum C_i + \sum C_j}{EqNOEC_m} = \sum \frac{C_i}{NOEC_i} + \sum \frac{C_j}{0,1 \cdot NOEC_j}$$

where:

- C_i = concentration of ingredient i (mass percentage) covering the rapidly degradable ingredients;
- C_j = concentration of ingredient j (mass percentage) covering the non-rapidly degradable ingredients;
- $NOEC_i$ = NOEC (or other recognized measures for chronic toxicity) for ingredient i covering the rapidly degradable ingredients, in mg/l;
- $NOEC_j$ = NOEC (or other recognized measures for chronic toxicity) for ingredient j covering the non-rapidly degradable ingredients, in mg/l;
- n = number of ingredients, and i and j are running from 1 to n;
- $EqNOEC_m$ = equivalent NOEC of the part of the mixture with test data;

The equivalent toxicity thus reflects the fact that non-rapidly degradable substances are classified one hazard category level more "severe" than rapidly degradable substances.

The calculated equivalent toxicity shall be used to assign that portion of the mixture a long-term hazard category, in accordance with the criteria for rapidly degradable substances (Table 2.2.9.1.10.3.1 (b) (ii)), which is then subsequently used in applying the summation method.

2.2.9.1.10.4.5.3 When applying the additivity formula for part of the mixture, it is preferable to calculate the toxicity of this part of the mixture using for each ingredient toxicity values that relate to the same taxonomic group (i.e. fish, crustacea or algae) and then to use the highest toxicity (lowest value) obtained (i.e. use the most sensitive of the three groups). However, when toxicity data for each ingredient are not available in the same taxonomic group, the toxicity value of each ingredient shall be selected in the same manner that toxicity values are selected for the classification of substances, i.e. the higher toxicity (from the most sensitive test organism) is used. The calculated acute and chronic toxicity shall then be used to classify this part of the mixture as Acute 1 and/or Chronic 1 or 2 using the same criteria described for substances.

2.2.9.1.10.4.5.4 If a mixture is classified in more than one way, the method yielding the more conservative result shall be used.

2.2.9.1.10.4.6 Summation method

2.2.9.1.10.4.6.1 Classification procedure

In general a more severe classification for mixtures overrides a less severe classification, e.g. a classification with Chronic 1 overrides a classification with Chronic 2. As a consequence the classification procedure is already completed if the result of the classification is Chronic 1. A more severe classification than Chronic 1 is not possible; therefore, it is not necessary to pursue the classification procedure further.

2.2.9.1.10.4.6.2 Classification for category Acute 1

2.2.9.1.10.4.6.2.1 First, all ingredients classified as Acute 1 are considered. If the sum of the concentrations (in %) of these ingredients is greater than or equal to 25% the whole mixture shall be classified as Acute 1. If the result of the calculation is a classification of the mixture as Acute 1, the classification process is completed.

2.2.9.1.10.4.6.2.2 The classification of mixtures for acute hazards based on this summation of the concentrations of classified ingredients is summarized in Table 2.2.9.1.10.4.6.2.2 below.

Table 2.2.9.1.10.4.6.2.2: Classification of a mixture for acute hazards based on summation of the concentrations of classified ingredients

Sum of the concentrations (in %) of ingredients classified as:	Mixture classified as:
Acute 1 $\times M^a \geq 25\%$	Acute 1

^a For explanation of the M factor, see 2.2.9.1.10.4.6.4.

2.2.9.1.10.4.6.3 Classification for categories Chronic 1 and 2

2.2.9.1.10.4.6.3.1 First, all ingredients classified as Chronic 1 are considered. If the sum of the concentrations (in %) of these ingredients is greater than or equal to 25% the mixture shall be classified as Chronic 1. If the result of the calculation is a classification of the mixture as Chronic 1 the classification procedure is completed.

2.2.9.1.10.4.6.3.2 In cases where the mixture is not classified as Chronic 1, classification of the mixture as Chronic 2 is considered. A mixture shall be classified as Chronic 2 if 10 times the sum of the concentrations (in %) of all ingredients classified as Chronic 1 plus the sum of the concentrations (in %) of all ingredients classified as Chronic 2 is greater than or equal to 25%. If the result of the calculation is classification of the mixture as Chronic 2, the classification process is completed.

2.2.9.1.10.4.6.3.3 The classification of mixtures for long-term hazards based on this summation of the concentrations of classified ingredients is summarized in Table 2.2.9.1.10.4.6.3.3 below.

Table 2.2.9.1.10.4.6.3.3: Classification of a mixture for long-term hazards based on summation of the concentrations of classified ingredients

Sum of the concentrations (in %) of ingredients classified as:	Mixture classified as:
Chronic 1 $\times M^a \geq 25\%$	Chronic 1
$(M \times 10 \times \text{Chronic 1}) + \text{Chronic 2} \geq 25\%$	Chronic 2

^a For explanation of the M factor, see 2.2.9.1.10.4.6.4.

2.2.9.1.10.4.6.4 Mixtures with highly toxic ingredients

Acute 1 or Chronic 1 ingredients with acute toxicities well below 1 mg/l and/or chronic toxicities well below 0.1 mg/l (if non-rapidly degradable) and 0.01 mg/l (if rapidly degradable) may influence the toxicity of the mixture and are given increased weight in applying the summation method. When a mixture contains ingredients classified as Acute 1 or Chronic 1, the tiered approach described in 2.2.9.1.10.4.6.2 and 2.2.9.1.10.4.6.3 shall be applied using a weighted sum by multiplying the concentrations of Acute 1 and Chronic 1 ingredients by a factor, instead of merely adding up the percentages. This means that the concentration of "Acute 1" in the left column of Table 2.2.9.1.10.4.6.2.2 and the concentration of "Chronic 1" in the left column of Table 2.2.9.1.10.4.6.3.3 are multiplied by the appropriate multiplying factor. The multiplying factors to be applied to these ingredients are defined using the toxicity value, as summarised in Table 2.2.9.1.10.4.6.4 below. Therefore, in order to classify a mixture containing Acute 1 and/or Chronic 1 ingredients, the classifier needs to be informed of the value of the M factor in order to apply the summation method. Alternatively, the additivity formula (see 2.2.9.1.10.4.5.2) may be used when toxicity data are available for all highly toxic ingredients in the mixture and there is convincing evidence that all other ingredients, including those for which specific and/or chronic acute toxicity data are not available, are of low or no toxicity and do not significantly contribute to the environmental hazard of the mixture.

Table 2.2.9.1.10.4.6.4: Multiplying factors for highly toxic ingredients of mixtures

Acute toxicity	M factor	Chronic Toxicity	M factor	
L(E)C ₅₀ value		NOEC value	NRD ^a	RD ^b
0.1 < L(E)C ₅₀ ≤ 1	1	0.01 < NOEC ≤ 0.1	1	–
0.01 < L(E)C ₅₀ ≤ 0.1	10	0.001 < NOEC ≤ 0.01	10	1
0.001 < L(E)C ₅₀ ≤ 0.01	100	0.0001 < NOEC ≤ 0.001	100	10
0.0001 < L(E)C ₅₀ ≤ 0.001	1000	0.00001 < NOEC ≤ 0.0001	1000	100
0.00001 < L(E)C ₅₀ ≤ 0.0001	10000	0.000001 < NOEC ≤ 0.00001	10000	1000
(continue in factor 10 intervals)		(continue in factor 10 intervals)		

^a Non-rapidly degradable.

^b Rapidly degradable.

2.2.9.1.10.4.6.5 Classification of mixtures with ingredients without any useable information

In the event that no useable information on acute and/or chronic aquatic toxicity is available for one or more relevant ingredients, it is concluded that the mixture cannot be attributed (a) definitive hazard category(ies). In this situation the mixture shall be classified based on the known ingredients only with the additional statement that: "x percent of the mixture consists of ingredient(s) of unknown hazard to the aquatic environment".

2.2.9.1.10.5 Substances or mixtures classified as environmentally hazardous substances (aquatic environment) on the basis of Regulation 1272/2008/EC¹⁹

If data for classification according to the criteria of 2.2.9.1.10.3 and 2.2.9.1.10.4 are not available, a substance or mixture:

- Shall be classified as an environmentally hazardous substance (aquatic environment) if it has to be assigned category(ies) Aquatic Acute 1, Aquatic Chronic 1 or Aquatic Chronic 2 according to Regulation 1272/2008/EC¹⁹ or, if still relevant according to the said Regulation, risk phrase(s) R50, R50/53 or R51/53 according to the Directives 67/548/EEC²⁰ or 1999/45/EC²¹;
- May be regarded as not being an environmentally hazardous substance (aquatic environment) if it does not have to be assigned such a risk phrase or category according to the said Directives or Regulation.

¹⁹ Regulation 1272/2008/EC of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (Official Journal of the European Union No. L 353 of 30 December 2008).

²⁰ Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (Official Journal of the European Communities No. 196 of 16 August 1967).

²¹ Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations (Official Journal of the European Communities No. L 200, of 30 July 1999).

2.2.9.1.10.6 Assignment of substances or mixtures classified as environmentally hazardous substances (aquatic environment) according to the provisions in 2.2.9.1.10.3, 2.2.9.1.10.4 or 2.2.9.1.10.5

Substances or mixtures classified as environmentally hazardous substances (aquatic environment), not otherwise classified under RID shall be designated:

UN No. 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.; or

UN No. 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

They shall be assigned to packing group III.

*Genetically modified microorganisms or organisms***2.2.9.1.11** Genetically modified microorganisms (GMMOs) and genetically modified organisms (GMOs) are microorganisms and organisms in which genetic material has been purposely altered through genetic engineering in a way that does not occur naturally. They are assigned to Class 9 (UN No. 3245) if they do not meet the definition of toxic substances or of infectious substances, but are capable of altering animals, plants or microbiological substances in a way not normally the result of natural reproduction.

NOTE 1: GMMOs and GMOs which are infectious are substances of Class 6.2, UN Nos. 2814, 2900 or 3373.

2: GMMOs or GMOs are not subject to the provisions of RID when authorized for use by the competent authorities of the countries of origin, transit and destination²².

3: Live animals shall not be used to carry genetically modified microorganisms classified in Class 9 unless the substance can be carried no other way. Genetically modified live animals shall be carried under terms and conditions of the competent authorities of the countries of origin and destination.

2.2.9.1.12 (Reserved)*Elevated temperature substances***2.2.9.1.13** Elevated temperature substances include substances which are carried or handed over for carriage in the liquid state at or above 100 °C and, in the case of those with a flash-point, below their flash-point. They also include solids which are carried or handed over for carriage at or above 240 °C.

NOTE: Elevated temperature substances may be assigned to Class 9 only if they do not meet the criteria of any other class.

*Other substances presenting a danger during carriage but not meeting the definitions of another class.***2.2.9.1.14** The following other miscellaneous substances not meeting the definitions of another class are assigned to Class 9:

Solid ammonia compounds having a flash-point below 60 °C

Low hazard dithionites

Highly volatile liquids

Substances emitting noxious fumes

Substances containing allergens

Chemical kits and first aid kits

Electric double layer capacitors (with an energy storage capacity greater than 0.3 Wh).

NOTE: UN No. 1845 CARBON DIOXIDE, SOLID (DRY ICE)²³,

UN No. 2071 AMMONIUM NITRATE FERTILIZERS,

UN No. 2216 FISH MEAL (FISH SCRAP), STABILIZED,

UN No. 2807 MAGNETIZED MATERIAL,

UN No. 3166 ENGINE, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED or 3166 ENGINE, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED or 3166 VEHICLE, FLAMMABLE GAS POWERED or 3166 VEHICLE, FLAMMABLE LIQUID POWERED or 3166 ENGINE, FUEL CELL, FLAMMABLE GAS POWERED or 3166 ENGINE, FUEL CELL, FLAMMABLE LIQUID POWERED or 3166 VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED or 3166 VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED,

²² See in particular Part C of Directive 2001/18/EC of the European Parliament and of the Council on the deliberate release into the environment of genetically modified organisms and repealing Council Directive 90/220/EEC (Official Journal of the European Communities, No. L 106, of 17 April 2001, pp. 8-14), which sets out the authorization procedures for the European Community.

²³ For UN No. 1845 carbon dioxide, solid (dry ice) used as a coolant, see 5.5.3.

UN No. 3171 BATTERY-POWERED VEHICLE or 3171 BATTERY-POWERED EQUIPMENT (see also the NOTE at the end of 2.2.9.1.7),

UN No. 3334 AVIATION REGULATED LIQUID, N.O.S.,

UN No. 3335 AVIATION REGULATED SOLID, N.O.S.,

UN No. 3363 DANGEROUS GOODS IN MACHINERY or UN No. 3363 DANGEROUS GOODS IN APPARATUS,

listed in the UN Model Regulations, are not subject to the provisions of RID.

Assignment of the packing groups

2.2.9.1.15 When indicated in column (4) of Table A of Chapter 3.2, substances and articles of Class 9 are assigned to one of the following packing groups according to their degree of danger:

Packing group II: substances presenting medium danger;

Packing group III: substances presenting low danger.

2.2.9.2 Substances and articles not accepted for carriage

The following substances and articles shall not be accepted for carriage:

- Lithium batteries which do not meet the relevant conditions of special provisions 188, 230 or 636 of Chapter 3.3.
- Uncleaned empty containment vessels for apparatus such as transformers, condensers and hydraulic apparatus containing substances assigned to UN Nos. 2315, 3151, 3152 or 3432.

2.2.9.3 List of entries

	Classifica- tion code	UN No.	Name of the substance or article
Miscellaneous dangerous substances and articles			
Substances which, on inhalation as fine dust, may endanger health	M1	2212	BLUE ASBESTOS (crocidolite) or
		2212	BROWN ASBESTOS (amosite, mysorite)
		2590	WHITE ASBESTOS (chrysotile, actinolite, anthophyllite, tremolite)
Substances and apparatus which, in the event of fire, may form dioxins	M2	2315	POLYCHLORINATED BIPHENYLS, LIQUID
		3432	POLYCHLORINATED BIPHENYLS, SOLID
		3151	POLYHALOGENATED BIPHENYLS, LIQUID or
		3151	POLYHALOGENATED TERPHENYLS, LIQUID
		3152	POLYHALOGENATED BIPHENYLS, SOLID or
Substances evolving flammable vapour	M3	2211	POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour
		3314	PLASTICS MOULDING COMPOUND in dough, sheet or extruded rope form evolving flammable vapour
Lithium batteries	M4	3090	LITHIUM METAL BATTERIES (including lithium alloy batteries)
		3091	LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT (including lithium alloy batteries) or
		3091	LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT (including lithium alloy batteries)
		3480	LITHIUM ION BATTERIES (including lithium ion polymer batteries)
		3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT (including lithium ion polymer batteries) or
		3481	LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)

Live-saving appliances	M5		2990	LIFE-SAVING APPLIANCES, SELF-INFLATING such as aircraft evacuation chutes, aircraft survival kits and maritime life-saving appliances
			3072	LIFE-SAVING APPLIANCES NOT SELF-INFLATING containing dangerous goods as equipment
			3268	AIR BAG INFLATORS or
			3268	AIR BAG MODULES or
Environmentally hazardous substances	M8	pollutant to the aquatic environment	liquid M6	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
			solid M7	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
		genetically modified microorganisms and organisms	3245	GENETICALLY MODIFIED MICROORGANISMS or
			3245	GENETICALLY MODIFIED ORGANISMS
Elevated temperature substances			liquid M9	3257 ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100 °C and below its flash-point (including molten metal, molten salts, etc.)
			solid M10	3258 ELEVATED TEMPERATURE SOLID, N.O.S., at or above 240 °C
Other substances or articles presenting a danger during carriage, but not meeting the definitions of another class	M11		No collective entry available. Only substances listed in Table A of Chapter 3.2 are subject to the provisions for Class 9 under this classification code, as follows:	
			1841 ACETALDEHYDE AMMONIA 1931 ZINC DITHIONITE (ZINC HYDROSULPHITE) 1941 DIBROMODIFLUOROMETHANE 1990 BENZALDEHYDE 2969 CASTOR BEANS or 2969 CASTOR MEAL or 2969 CASTOR POMACE or 2969 CASTOR FLAKE 3316 CHEMICAL KIT or 3316 FIRST AID KIT 3359 FUMIGATED CARGO TRANSPORT UNIT 3499 CAPACITOR, electric double layer (with an energy storage capacity greater than 0.3 Wh)	

Chapter 2.3 Test methods

2.3.0 General

Unless otherwise provided for in Chapter 2.2 or in this Chapter, the test methods to be used for the classification of dangerous goods are those described in the Manual of Tests and Criteria.

2.3.1 Exudation test for blasting explosives of Type A

2.3.1.1 Blasting explosives of type A (UN No. 0081) shall, if they contain more than 40% liquid nitric ester, in addition to the testing specified in the Manual of Tests and Criteria, satisfy the following exudation test.

2.3.1.2 The apparatus for testing blasting explosive for exudation (figs. 1 to 3) consists of a hollow bronze cylinder. This cylinder, which is closed at one end by a plate of the same metal, has an internal diameter of 15.7 mm and a depth of 40 mm. It is pierced by 20 holes 0.5 mm in diameter (four sets of five holes) on the circumference. A bronze piston, cylindrically fashioned over a length of 48 mm and having a total length of 52 mm, slides into the vertically placed cylinder. The piston, whose diameter is 15.6 mm, is loaded with a mass of 2 220 g so that a pressure of 120 kPa (1.20 bar) is exerted on the base of the cylinder.

2.3.1.3 A small plug of blasting explosive weighing 5 to 8 g, 30 mm long and 15 mm in diameter, is wrapped in very fine gauze and placed in the cylinder; the piston and its loading mass are then placed on it so that the blasting explosive is subjected to a pressure of 120 kPa (1.20 bar).

The time taken for the appearance of the first signs of oily droplets (nitroglycerine) at the outer orifices of the cylinder holes is noted.

2.3.1.4 The blasting explosive is considered satisfactory if the time elapsing before the appearance of the liquid exudations is more than five minutes, the test having been carried out at a temperature of 15 °C to 25 °C.

Test of blasting explosive for exudation

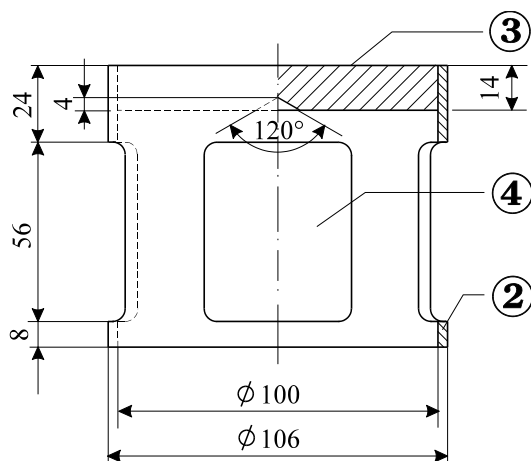


Fig. 1: Bell-form charge; mass 2220 g; capable of being suspended from a bronze piston

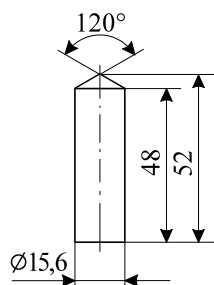


Fig. 2: Cylindrical bronze piston; dimensions in mm

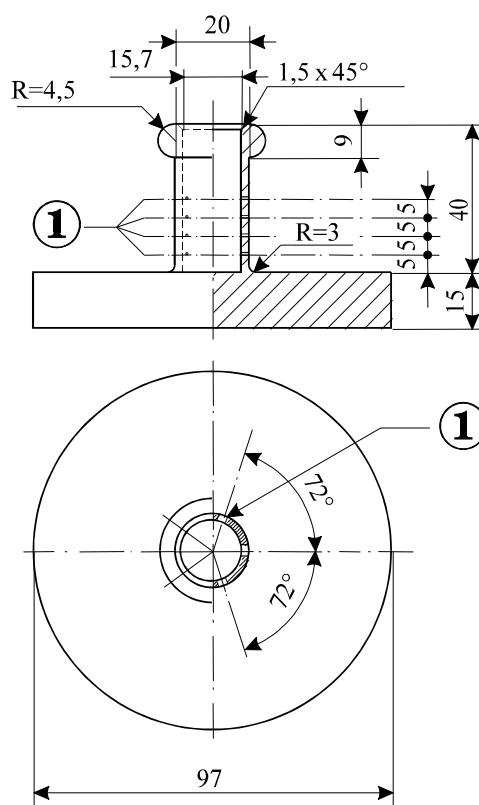


Fig. 3: Hollow bronze cylinder, closed at one end
Plan and cut; dimensions in mm

Fig. 1 to 3:

- (1) 4 series of 5 holes at 0.5 Ø
- (2) copper
- (3) iron plate with centre cone at the inferior face
- (4) 4 openings, approximately 46 x 56, set at even intervals on the periphery

2.3.2 Tests relating to nitrated cellulose mixtures of Class 4.1

2.3.2.1 Nitrocellulose heated for half an hour at 132 °C shall not give off visible yellowish-brown nitrous fumes (nitrous gases). The ignition temperature shall be above 180 °C. See 2.3.2.3 to 2.3.2.8, 2.3.2.9 (a) and 2.3.2.10 below.

2.3.2.2 3 g of plasticized nitrocellulose, heated for one hour at 132 °C, shall not give off visible yellowish-brown nitrous fumes (nitrous gases). The ignition temperature shall be above 170 °C. See 2.3.2.3 to 2.3.2.8, 2.3.2.9 (b) and 2.3.2.10 below.

2.3.2.3 The test procedures set out below are to be applied when differences of opinion arise as to the acceptability of substances for carriage by rail.

2.3.2.4 If other methods or test procedures are used to verify the conditions of stability prescribed above in this section, those methods shall lead to the same findings as could be reached by the methods specified below.

2.3.2.5 In carrying out the stability tests by heating described below, the temperature of the oven containing the sample under test shall not deviate by more than 2 °C from the prescribed temperature; the prescribed duration of a 30-minute or 60-minute test shall be observed to within two minutes. The oven shall be such that the required temperature is restored not more than five minutes after insertion of the sample.

- 2.3.2.6** Before undergoing the tests in 2.3.2.9 and 2.3.2.10, the samples shall be dried for not less than 15 hours at the ambient temperature in a vacuum desiccator containing fused and granulated calcium chloride, the sample substance being spread in a thin layer; for this purpose, substances which are neither in powder form nor fibrous shall be ground, or grated, or cut into small pieces. The pressure in the desiccator shall be brought below 6.5 kPa (0.065 bar).
- 2.3.2.7** Before being dried as prescribed in 2.3.2.6 above, substances conforming to 2.3.2.2 shall undergo preliminary drying in a well-ventilated oven, with its temperature set at 70 °C, until the loss of mass per quarter-hour is less than 0.3% of the original mass.
- 2.3.2.8** Weakly nitrated nitrocellulose conforming to 2.3.2.1 shall first undergo preliminary drying as prescribed in 2.3.2.7 above; drying shall then be completed by keeping the nitrocellulose for at least 15 hours over concentrated sulphuric acid in a desiccator.
- 2.3.2.9 Test of chemical stability under heat**
- (a) Test of the substance listed in paragraph 2.3.2.1 above.
- (i) In each of two glass test tubes having the following dimensions:
- | | |
|-------------------|---------|
| length | 350 mm, |
| internal diameter | 16 mm, |
| thickness of wall | 1.5 mm |
- is placed 1 g of substance dried over calcium chloride (if necessary the drying shall be carried out after reducing the substance to pieces weighing not more than 0.05 g each). Both test tubes, completely covered with loose-fitting closures, are then so placed in an oven that at least four-fifths of their length is visible, and are kept at a constant temperature of 132 °C for 30 minutes. It is observed whether nitrous gases in the form of yellowish-brown fumes clearly visible against a white background are given off during this time.
- (ii) In the absence of such fumes the substance is deemed to be stable.
- (b) Test of plasticized nitrocellulose (see 2.3.2.2)
- (i) 3 g of plasticized nitrocellulose are placed in glass test tubes, similar to those referred to in (a), which are then placed in an oven kept at a constant temperature of 132 °C.
- (ii) The test tubes containing the plasticized nitrocellulose are kept in the oven for one hour. During this time no yellowish-brown nitrous fumes (nitrous gases) shall be visible. Observation and appraisal as in (a).
- 2.3.2.10 Ignition temperature** (see 2.3.2.1 and 2.3.2.2)
- (a) The ignition temperature is determined by heating 0.2 g of substance enclosed in a glass test tube immersed in a Wood's alloy bath. The test tube is placed in the bath when the latter has reached 100 °C. The temperature of the bath is then progressively increased by 5 °C per minute;
- (b) The test tubes must have the following dimensions:
- | | |
|-------------------|---------|
| length | 125 mm, |
| internal diameter | 15 mm, |
| thickness of wall | 0.5 mm |
- and shall be immersed to a depth of 20 mm;
- (c) The test shall be repeated three times, the temperature at which ignition of the substance occurs, i.e., slow or rapid combustion, deflagration or detonation, being noted each time;
- (d) The lowest temperature recorded in the three tests is the ignition temperature.
- 2.3.3 Tests relating to flammable liquids of Classes 3, 6.1 and 8**
- 2.3.3.1 Determination of flash-point**
- 2.3.3.1.1** The following methods for determining the flash-point of flammable liquids may be used:
- International standards:
- ISO 1516 (Determination of flash/no flash – Closed cup equilibrium method)
- ISO 1523 (Determination of flash point – Closed cup equilibrium method)
- ISO 2719 (Determination of flash point – Pensky-Martens closed cup method)
- ISO 13736 (Determination of flash point – Abel closed-cup method)
- ISO 3679 (Determination of flash point – Rapid equilibrium closed cup method)
- ISO 3680 (Determination of flash/no flash – Rapid equilibrium closed cup method)

National standards:

American Society for Testing Materials International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, Pennsylvania, USA 19428-2959:

ASTM D3828-07a, Standard Test Methods for Flash Point by Small Scale Closed-Cup Tester

ASTM D56-05, Standard Test Method for Flash Point by Tag Closed-Cup Tester

ASTM D3278-96(2004)e1, Standard Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus

ASTM D93-08, Standard Test Methods for Flash Point by Pensky-Martens Closed-Cup Tester

Association française de normalisation, AFNOR, 11, rue de Pressensé, F-93571 La Plaine Saint-Denis Cedex:

French standard NF M 07 - 019

French standards NF M 07 - 011 / NF T 30 - 050 / NF T 66 - 009

French standard NF M 07 - 036

Deutsches Institut für Normung, Burggrafenstraße 6, D-10787 Berlin:

Standard DIN 51755 (flash-points below 65 °C)

State Committee of the Council of Ministers for Standardization, RUS-113813, GSP, Moscow, M-49 Leninsky Prospect, 9:

GOST 12.1.044-84.

- 2.3.3.1.2** To determine the flash-point of paints, gums and similar viscous products containing solvents, only apparatus and test methods suitable for determining the flash-point for viscous liquids shall be used, in accordance with the following standards:

(a) International standard ISO 3679:1983;

(b) International standard ISO 3680:1983;

(c) International standard ISO 1523:1983;

(d) International standards EN ISO 13736 and EN ISO 2719, Method B.

- 2.3.3.1.3** The standards listed in 2.3.3.1.1 shall only be used for flash-point ranges which are specified therein. The possibility of chemical reactions between the substance and the sample holder shall be considered when selecting the standard to be used. The apparatus shall, as far as is consistent with safety, be placed in a draught-free position. For safety, a method utilizing a small sample size, around 2 ml, shall be used for organic peroxides and self-reactive substances (also known as "energetic" substances), or for toxic substances.

- 2.3.3.1.4** When the flash-point, determined by a non-equilibrium method is found to be $23\text{ °C} \pm 2\text{ °C}$ or $60\text{ °C} \pm 2\text{ °C}$, it shall be confirmed for each temperature range by an equilibrium method.

- 2.3.3.1.5** In the event of a dispute as to the classification of a flammable liquid, the classification proposed by the consignor shall be accepted if a check-test of the flash-point, yields a result not differing by more than 2 °C from the limits (23 °C and 60 °C respectively) stated in 2.2.3.1. If the difference is more than 2 °C, a second check-test shall be carried out, and the lowest figure of the flash-points obtained in either check-test shall be adopted.

2.3.3.2 Determination of initial boiling point

The following methods for determining the initial boiling point of flammable liquids may be used:

International standards:

ISO 3924 (Petroleum products – Determination of boiling range distribution – Gas chromatography method)

ISO 4626 (Volatile organic liquids – Determination of boiling range of organic solvents used as raw materials)

ISO 3405 (Petroleum products – Determination of distillation characteristics at atmospheric pressure)

National standards:

American Society for Testing Materials International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, Pennsylvania, USA 19428-2959:

ASTM D86-07a, Standard Test Method for Distillation of Petroleum Products at Atmospheric Pressure

ASTM D1078-05, Standard Test Method for Distillation Range of Volatile Organic Liquids

Further acceptable methods:

Method A.2 as described in Part A of the Annex to Commission Regulation (EC) No 440/2008²⁴.

2.3.3.3 Test for determining peroxide content

To determine the peroxide content of a liquid, the procedure is as follows:

A quantity p (about 5 g, weighed to the nearest 0.01 g) of the liquid to be titrated is placed in an Erlenmeyer flask; 20 cm³ of acetic anhydride and about 1 g of powdered solid potassium iodide are added; the flask is shaken and, after 10 minutes, heated for 3 minutes to about 60 °C. When it has been left to cool for 5 minutes, 25 cm³ of water are added. After this, it is left standing for half an hour, then the liberated iodine is titrated with a decinormal solution of sodium thiosulphate, no indicator being added; complete discoloration indicates the end of the reaction. If n is the number of cm³ of thiosulphate solution required, the percentage of peroxide (calculated as H₂O₂) present in the sample is obtained by the formula:

$$\frac{17n}{100p} \cdot$$

2.3.4 Test for determining fluidity

To determine the fluidity of liquid, viscous or pasty substances and mixtures, the following test method shall be used.

2.3.4.1 Test apparatus

Commercial penetrometer conforming to ISO 2137:1985, with a guide rod of 47.5 g ± 0.05 g;

sieve disc of duralumin with conical bores and a mass of 102.5 g ± 0.05 g (see Figure 1);

penetration vessel with an inside diameter of 72 mm to 80 mm for reception of the sample.

2.3.4.2 Test procedure

The sample is poured into the penetration vessel not less than half an hour before the measurement. The vessel is then hermetically closed and left standing until the measurement. The sample in the hermetically closed penetration vessel is heated to 35 °C ± 0.5 °C and is placed on the penetrometer table immediately prior to measurement (not more than two minutes). The point S of the sieve disc is then brought into contact with the surface of the liquid and the rate of penetration is measured.

2.3.4.3 Evaluation of test results

A substance is pasty if, after the centre S has been brought into contact with the surface of the sample, the penetration indicated by the dial gauge:

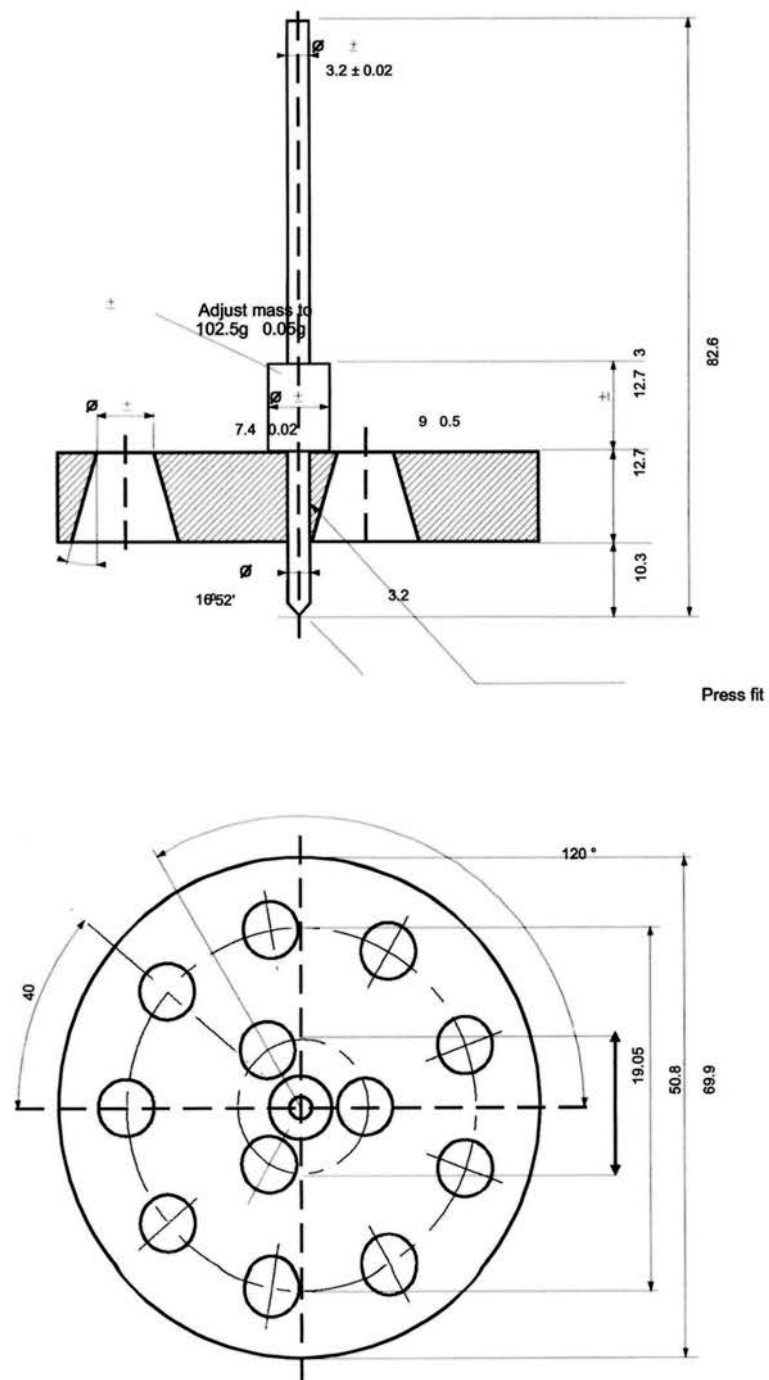
(a) after a loading time of 5 s ± 0.1 s, is less than 15.0 mm ± 0.3 mm; or

(b) after a loading time of 5 s ± 0.1 s, is greater than 15.0 mm ± 0.3 mm, but the additional penetration after another 55 s ± 0.5 s is less than 5.0 mm ± 0.5 mm.

NOTE: In the case of samples having a flow point, it is often impossible to produce a steady level surface in the penetration vessel and, hence, to establish satisfactory initial measuring conditions for the contact of the point S. Furthermore, with some samples, the impact of the sieve disc can cause an elastic deformation of the surface and, in the first few seconds, simulate a deeper penetration. In all these cases, it may be appropriate to make the evaluation in paragraph (b) above.

²⁴ Commission Regulation (EC) No 440/2008 of 30 May 2008 laying down test methods pursuant to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Official Journal of the European Union, No. L 142 of 31 May 2008, p.1-739 and No. L 143 of 3 June 2008, p.55).

Figure 1
Penetrometer



Tolerances not specified are ± 0.1 mm.

2.3.5 Classification of organometallic substances in classes 4.2 and 4.3

Depending on their properties as determined in accordance with tests N.1 to N.5 of the Manual of Tests and Criteria, Part III, section 33, organometallic substances may be classified in Class 4.2 or 4.3, as appropriate, in accordance with the flowchart scheme given in Figure 2.3.5.

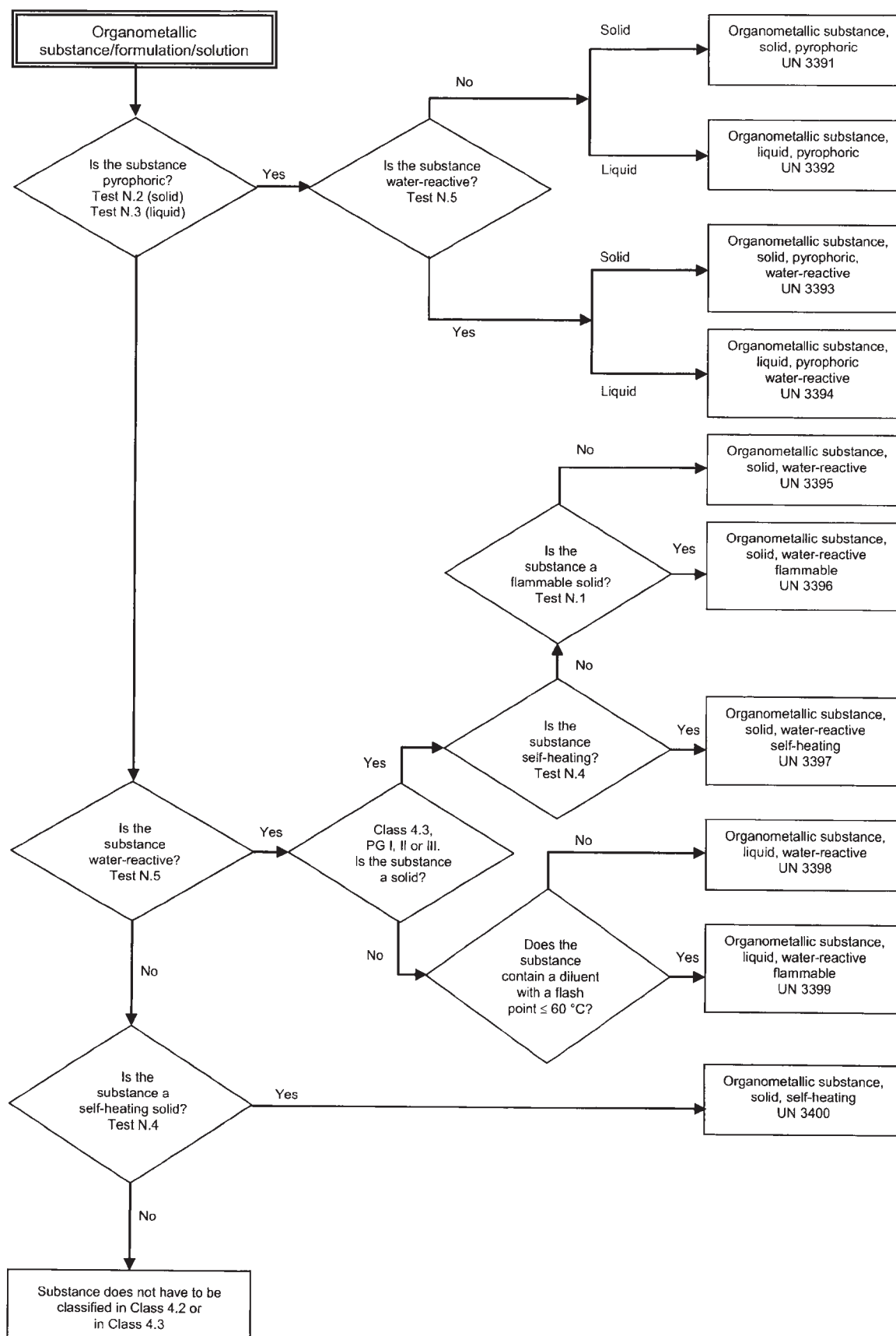
NOTE 1: Depending on their other properties and on the precedence of hazard table (see 2.1.3.10), organometallic substances may have to be classified in other classes as appropriate.

2: Flammable solutions with organometallic compounds in concentrations which are not liable to spontaneous combustion or, in contact with water, do not emit flammable gases in dangerous quantities, are substances of Class 3.

Figure 2.3.5: Flowchart scheme for the classification of organometallic substances in classes 4.2 and 4.3^{(a), (b)}

^(a) Test methods N.1 to N.5 can be found in the Manual of Tests and Criteria, Part III, Section 33.

^(b) If applicable and testing is relevant, taking into account reactivity properties, Class 6.1 and 8 properties should be considered according to the table of precedence of hazards in 2.1.3.10.



**Part 3 Dangerous goods lists, special
provisions and exemptions related to
limited and excepted quantities**

Chapter 3.1 General

3.1.1 Introduction

In addition to the provisions referred to or given in the tables of this Part, the general requirements of each Part, Chapter and/or Section are to be observed. These general requirements are not given in the tables. When a general requirement is contradictory to a special provision, the special provision prevails.

3.1.2 Proper shipping name

NOTE: For proper shipping names used for the carriage of samples, see 2.1.4.1.

3.1.2.1 The proper shipping name is that portion of the entry most accurately describing the goods in Table A in Chapter 3.2, which is shown in upper case characters (plus any numbers, Greek letters, "sec", "tert", and the letters "m", "n", "o", "p", which form an integral part of the name). An alternative proper shipping name may be shown in brackets following the main proper shipping name [e.g., ETHANOL (ETHYL ALCOHOL)]. Portions of an entry appearing in lower case need not be considered as part of the proper shipping name.

3.1.2.2 When conjunctions such as "and" or "or" are in lower case or when segments of the name are punctuated by commas, the entire name of the entry need not necessarily be shown in the transport document or package markings. This is the case particularly when a combination of several distinct entries are listed under a single UN Number. Examples illustrating the selection of the proper shipping name for such entries are:

(a) UN 1057 LIGHTERS or LIGHTER REFILLS - The proper shipping name is the most appropriate of the following possible combinations:

LIGHTERS

LIGHTER REFILLS;

(b) UN 2793 FERROUS METAL BORINGS, SHAVINGS, TURNINGS or CUTTINGS in a form liable to self-heating. The proper shipping name is the most appropriate of the following combinations:

FERROUS METAL BORINGS

FERROUS METAL SHAVINGS

FERROUS METAL TURNINGS

FERROUS METAL CUTTINGS.

3.1.2.3 Proper shipping names may be used in the singular or plural as appropriate. In addition, when qualifying words are used as part of the proper shipping name, their sequence on the transport document or package markings is optional. For instance, "DIMETHYLAMINE AQUEOUS SOLUTION" may alternatively be shown "AQUEOUS SOLUTION OF DIMETHYLAMINE". Commercial or military names for goods of Class 1 which contain the proper shipping name supplemented by additional descriptive text may be used.

3.1.2.4 Many substances have an entry for both the liquid and solid state (see definitions for liquid and solid in 1.2.1), or for the solid and solution. These are allocated separate UN numbers which are not necessarily adjacent to each other.¹

3.1.2.5 Unless it is already included in capital letters in the name indicated in Table A in Chapter 3.2, the qualifying word "MOLTEN" shall be added as part of the proper shipping name when a substance, which is a solid in accordance with the definition in 1.2.1, is offered for carriage in the molten state (e.g. ALKYLPHENOL, SOLID, N.O.S., MOLTEN).

3.1.2.6 Except for self-reactive substances and organic peroxides and unless it is already included in capital letters in the name indicated in Column (2) of Table A of Chapter 3.2, the word "STABILIZED" shall be added as part of the proper shipping name of a substance which without stabilization would be forbidden from carriage in accordance with paragraphs 2.2.x.2 due to it being liable to dangerously react under conditions normally encountered in carriage (e.g.: "TOXIC LIQUID, ORGANIC, N.O.S., STABILIZED").

When temperature control is used to stabilize such substances to prevent the development of any dangerous excess pressure, then:

¹ Details are provided in the alphabetical index (Table B of Chapter 3.2), e.g.:

NITROXYLENES, LIQUID	6.1	1665
NITROXYLENES, SOLID	6.1	3447.

- (a) For liquids: liquids requiring temperature control² shall not be accepted for carriage by rail;
- (b) For gases: the conditions of carriage shall be approved by the competent authority.

3.1.2.7 Hydrates may be carried under the proper shipping name for the anhydrous substance.

3.1.2.8 Generic or "not otherwise specified" (n.o.s.) names

3.1.2.8.1 Generic and "not otherwise specified" proper shipping names that are assigned to special provision 274 or 318 in Column (6) of Table A in Chapter 3.2 shall be supplemented with the technical name of the goods unless a national law or international convention prohibits its disclosure if it is a controlled substance. For explosives of Class 1, the dangerous goods description may be supplemented by additional descriptive text to indicate commercial or military names. Technical names shall be entered in brackets immediately following the proper shipping name. An appropriate modifier, such as "contains" or "containing" or other qualifying words such as "mixture", "solution", etc. and the percentage of the technical constituent may also be used. For example: "UN 1993 FLAMMABLE LIQUID, N.O.S. (CONTAINS XYLENE AND BENZENE), 3, II".

3.1.2.8.1.1 The technical name shall be a recognized chemical name or biological name, or other name currently used in scientific and technical handbooks, journals and texts. Trade names shall not be used for this purpose. In the case of pesticides, only ISO common name(s), other name(s) in the World Health Organization (WHO) Recommended Classification of Pesticides by Hazard and Guidelines to Classification, or the name(s) of the active substance(s) may be used.

3.1.2.8.1.2 When a mixture of dangerous goods is described by one of the "n.o.s." or "generic" entries to which special provision 274 has been allocated in Column (6) of Table A in Chapter 3.2, not more than the two constituents which most predominantly contribute to the hazard or hazards of a mixture need to be shown, excluding controlled substances when their disclosure is prohibited by national law or international convention. If a package containing a mixture is labelled with any subsidiary risk label, one of the two technical names shown in parentheses shall be the name of the constituent which compels the use of the subsidiary risk label.

NOTE: See 5.4.1.2.2.

3.1.2.8.1.3 Examples illustrating the selection of the proper shipping name supplemented with the technical name of goods for such n.o.s. entries are:

UN 3394 ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE (trimethylgallium)

UN 2902 PESTICIDE, LIQUID, TOXIC, N.O.S. (drazoxolon).

3.1.3 Solutions or mixtures

NOTE: Where a substance is specifically mentioned by name in Table A of Chapter 3.2, it shall be identified in carriage by the proper shipping name in Column (2) of Table A of Chapter 3.2. Such substances may contain technical impurities (for example those deriving from the production process) or additives for stability or other purposes that do not affect its classification. However, a substance mentioned by name containing technical impurities or additives for stability or other purposes affecting its classification shall be considered a solution or mixture (see 2.1.3.3).

3.1.3.1 A solution or mixture is not subject to RID if the characteristics, properties, form or physical state of the solution or mixture are such that it does not meet the criteria, including human experience criteria, for inclusion in any class.

3.1.3.2 A solution or mixture meeting the classification criteria of RID composed of a single predominant substance mentioned by name in Table A of Chapter 3.2 and one or more substances not subject to RID or traces of one or more substances mentioned by name in Table A of Chapter 3.2, shall be assigned the UN number and proper shipping name of the predominant substance mentioned by name in Table A of Chapter 3.2 unless:

- (a) The solution or mixture is mentioned by name in Table A of Chapter 3.2;
- (b) The name and description of the substance mentioned by name in Table A of Chapter 3.2 specifically indicate that they apply only to the pure substance;
- (c) The class, classification code, packing group, or physical state of the solution or mixture is different from that of the substance mentioned by name in Table A of Chapter 3.2; or
- (d) The hazard characteristics and properties of the solution or mixture necessitate emergency response measures that are different from those required for the substance mentioned by name in Table A of Chapter 3.2.

² This includes all substances (including substances stabilized by chemical inhibitors) whose self-accelerating decomposition temperature (SADT) in the containment used for carriage is not more than 50 °C.

Qualifying words such as "SOLUTION" or "MIXTURE", as appropriate, shall be added as part of the proper shipping name, for example, "ACETONE SOLUTION". In addition, the concentration of the mixture or solution may also be indicated after the basic description of the mixture or solution, for example, "ACETONE 75% SOLUTION".

- 3.1.3.3** A solution or mixture meeting the classification criteria of RID that is not mentioned by name in Table A of Chapter 3.2 and that is composed of two or more dangerous goods shall be assigned to an entry that has the proper shipping name, description, class, classification code and packing group that most precisely describe the solution or mixture.

Chapter 3.2 Dangerous goods list

3.2.1 Explanations on Table A: List of dangerous goods in UN number order

Explanations

As a rule, each row of Table A of this Chapter deals with the substance(s) or article(s) covered by a specific UN number. However, when substances or articles belonging to the same UN number have different chemical properties, physical properties and/or carriage conditions, several consecutive rows may be used for that UN number.

Each column of Table A is dedicated to a specific subject as indicated in the explanatory notes below. The intersection of columns and rows (cell) contains information concerning the subject treated in that column, for the substance(s) or article(s) of that row:

- The first four cells identify the substance(s) or article(s) belonging to that row (additional information in that respect may be given by the special provisions referred to in Column (6));
- The following cells give the applicable special provisions, either in the form of complete information or in coded form. The codes cross-refer to detailed information that is to be found in the Part, Chapter, Section and/or Sub-section indicated in the explanatory notes below. An empty cell means either that there is no special provision and that only the general requirements apply, or that the carriage restriction indicated in the explanatory notes is in force.

The applicable general requirements are not referred to in the corresponding cells. The explanatory notes below indicate for every column the Part(s), Chapter(s), Section(s) and/or Sub-section(s) where these are to be found.

Explanatory notes for each column:

Column (1) "UN No."

Contains the UN number:

- of the dangerous substance or article if the substance or article has been assigned its own specific UN number, or
- of the generic or n.o.s. entry to which the dangerous substances or articles not mentioned by name shall be assigned in accordance with the criteria ("decision trees") of Part 2.

Column (2) "Name and description"

Contains, in upper case characters, the name of the substance or article, if the substance or article has been assigned its own specific UN number, or of the generic or n.o.s. entry to which it has been assigned in accordance with the criteria ("decision trees") of Part 2. This name shall be used as the proper shipping name or, when applicable, as part of the proper shipping name (see 3.1.2 for further details on the proper shipping name).

A descriptive text in lower case characters is added after the proper shipping name to clarify the scope of the entry if the classification and/or carriage conditions of the substance or article may be different under certain conditions.

Column (3a) "Class"

Contains the number of the class, whose heading covers the dangerous substance or article. This class number is assigned in accordance with the procedures and criteria of Part 2.

Column (3b) "Classification code"

Contains the classification code of the dangerous substance or article.

- For dangerous substances or articles of Class 1, the code consists of a division number and compatibility group letter, which are assigned in accordance with the procedures and criteria of 2.2.1.1.4.
- For dangerous substances or articles of Class 2, the code consists of a number and hazardous property group, which are explained in 2.2.2.1.2 and 2.2.2.1.3.

- For dangerous substances or articles of Classes 3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2, 8 and 9, the codes are explained in 2.2.x.1.2¹.
- Dangerous substances or articles of Class 7 do not have a classification code.

Column (4) "Packing group"

Contains the packing group number(s) (I, II or III) assigned to the dangerous substance. These packing group numbers are assigned on the basis of the procedures and criteria of Part 2. Certain articles and substances are not assigned to packing groups.

Column (5) "Labels"

Contains the model number of the labels/placards (see 5.2.2.2 and 5.3.1.7) that have to be affixed to packages, containers, tank-containers, portable tanks, MEGCs, tank-wagons, wagons with demountable tanks, battery-wagons and wagons.

The shunting labels in accordance with models Nos. 13 and 15 (see 5.3.4) indicated in brackets for some substances shall only be affixed in the following cases:

- Class 1: on both sides of wagons which comprise a wagon load
- Class 2: on both sides of tank-wagons, battery-wagons, wagons with demountable tanks and wagons carrying tank-containers, MEGCs and portable tanks.

However, for substances or articles of Class 7, 7X means label model No.7A, 7B or 7C as appropriate according to the category (see 5.1.5.3.4 and 5.2.2.1.11.1) or placard No. 7D (see 5.3.1.1.3 and 5.3.1.7.2).

The general provisions on labelling/placarding (e.g. number of labels, their location) are to be found in 5.2.2.1 for packages and small containers, and in 5.3.1, for large containers, tank-containers, MEGCs, portable tanks, tank-wagons, wagons with demountable tanks, battery-wagons and wagons.

NOTE: Special provisions, indicated in Column (6), may change the above labelling provisions.

Column (6) "Special provisions"

Contains the numeric codes of special provisions that have to be met. These provisions concern a wide array of subjects, mainly connected with the contents of Columns (1) to (5) (e.g. carriage prohibitions, exemptions from requirements, explanations concerning the classification of certain forms of the dangerous goods concerned and additional labelling or marking provisions), and are listed in Chapter 3.3 in numerical order. If Column (6) is empty, no special provisions apply to the contents of Columns (1) to (5) for the dangerous goods concerned.

Column (7a) "Limited quantities"

Provides the maximum quantity per inner packaging or article for carrying dangerous goods as limited quantities in accordance with Chapter 3.4.

Column (7b) "Excepted Quantities"

Contains an alphanumeric code with the following meaning:

- "E0" signifies that no exemption from the provisions of RID exists for the dangerous goods packed in excepted quantities;
- All the other alphanumeric codes starting with the letter "E" signify that the provisions of RID are not applicable if the conditions indicated in Chapter 3.5 are fulfilled.

¹ x = the class number of the dangerous substance or article, without dividing point if applicable

Column (8) "Packing instructions"

Contains the alphanumeric codes of the applicable packing instructions:

- Alphanumeric codes starting with the letter "P", which refers to packing instructions for packagings and receptacles (except IBCs and large packagings), or "R", which refers to packing instructions for light gauge metal packagings. These are listed in 4.1.4.1 in numerical order, and specify the packagings and receptacles that are authorized. They also indicate which of the general packing provisions of 4.1.1, 4.1.2 and 4.1.3, and which of the special packing provisions of 4.1.5, 4.1.6, 4.1.7, 4.1.8 and 4.1.9 have to be met. If Column (8) does not contain a code starting with the letters "P" or "R", the dangerous goods concerned may not be carried in packagings;
- Alphanumeric codes starting with the letters "IBC" refer to packing instructions for IBCs. These are listed in 4.1.4.2 in numerical order, and specify the IBCs that are authorized. They also indicate which of the general packing provisions of 4.1.1, 4.1.2 and 4.1.3, and which of the special packing provisions of 4.1.5, 4.1.6, 4.1.7, 4.1.8 and 4.1.9 have to be met. If Column (8) does not contain a code starting with the letters "IBC", the dangerous goods concerned may not be carried in IBCs;
- Alphanumeric codes starting with the letters "LP" refer to packing instructions for large packagings. These are listed in 4.1.4.3 in numerical order, and specify the large packagings that are authorized. They also indicate which of the general packing provisions of 4.1.1, 4.1.2 and 4.1.3, and which of the special packing provisions of 4.1.5, 4.1.6, 4.1.7, 4.1.8 and 4.1.9 have to be met. If Column (8) does not contain a code starting with the letters "LP", the dangerous goods concerned cannot be carried in large packagings.

NOTE: Special packing provisions, indicated in Column (9a), may change the above packing instructions.

Column (9a) "Special packing provisions"

Contains the alphanumeric codes of the applicable special packing provisions:

- Alphanumeric codes starting with the letters "PP" or "RR" refer to special packing provisions for packagings and receptacles (except IBCs and large packagings) that have additionally to be met. These are to be found in 4.1.4.1, at the end of the relevant packing instruction (with the letter "P" or "R") referred to in Column (8). If Column (9a) does not contain a code starting with the letters "PP" or "RR", none of the special packing provisions listed at the end of the relevant packing instruction apply;
- Alphanumeric codes starting with the letter "B" or the letters "BB" refer to special packing provisions for IBCs that have additionally to be met. These are to be found in 4.1.4.2, at the end of the relevant packing instruction (with the letters "IBC") referred to in Column (8). If Column (9a) does not contain a code starting with the letter "B" or the letters "BB", none of the special packing provisions listed at the end of the relevant packing instruction apply;
- Alphanumeric codes starting with the letter "L" refer to special packing provisions for large packagings that have additionally to be met. These are to be found in 4.1.4.3, at the end of the relevant packing instruction (with the letters "LP") referred to in Column (8). If Column (9a) does not contain a code starting with the letter "L", none of the special packing provisions listed at the end of the relevant packing instruction apply.

Column (9b) "Mixed packing provisions"

Contains the alphanumeric codes starting with the letters "MP" of the applicable mixed packing provisions. These are listed in 4.1.10 in numerical order. If Column (9b) does not contain a code starting with the letters "MP", only the general requirements apply (see 4.1.1.5 and 4.1.1.6).

Column (10) "Portable tank and bulk container instructions"

Contains an alphanumeric code assigned to a portable tank instruction, in accordance with 4.2.5.2.1 to 4.2.5.2.4 and 4.2.5.2.6. This portable tank instruction corresponds to the least stringent provisions that are acceptable for the carriage of the substance in portable tanks. The codes identifying the other portable tank instructions that are also permitted for the carriage of the substance are to be found in 4.2.5.2.5. If no code is given, carriage in portable tanks is not permitted unless a competent authority approval is granted as detailed in 6.7.1.3.

The general requirements for the design, construction, equipment, type approval, testing and marking of portable tanks are to be found in Chapter 6.7. The general requirements for the use (e.g. filling) are to be found in 4.2.1 to 4.2.4.

The indication of an "(M)" means that the substance may be carried in UN MEGCs.

NOTE: Special provisions, indicated in Column (11), may change the above requirements.

May also contain alphanumeric codes starting with the letters "BK" referring to types of bulk containers described in Chapter 6.11 which may be used for the carriage of bulk goods in accordance with 7.3.1.1 (a) and 7.3.2.

Column (11) "Portable tank and bulk container special provisions"

Contains the alphanumeric codes of the portable tank special provisions that have additionally to be met. These codes, starting with the letters "TP" refer to special provisions for the construction or use of these portable tanks. They are to be found in 4.2.5.3.

NOTE: If technically relevant, these special provisions are not only applicable to the portable tanks specified in column (10), but also to the portable tanks that may be used according to the table in 4.2.5.2.5.

Column (12) "Tank codes for RID tanks"

Contains an alphanumeric code describing a tank type, in accordance with 4.3.3.1.1 (for gases of Class 2) or 4.3.4.1.1 (for substances of Classes 3 to 9). This tank type corresponds to the least stringent tank provisions that are acceptable for the carriage of the relevant substance in RID tanks. The codes describing the other permitted tank types are to be found in 4.3.3.1.2 (for gases of Class 2) or 4.3.4.1.2 (for substances of Classes 3 to 9). If no code is given, carriage in RID tanks is not permitted.

If in this column a tank code for solids (S) and for liquids (L) is indicated, this means that this substance may be offered for carriage in tanks in the solid or the liquid (molten) state. In general this provision is applicable to substances having melting points from 20 °C to 180 °C.

If for a solid, only a tank code for liquids (L) is indicated in this column, this means that this substance is only offered for carriage in tanks in the liquid (molten) state.

The general requirements for the construction, equipment, type approval, testing and marking that are not indicated in the tank code are to be found in 6.8.1, 6.8.2, 6.8.3 and 6.8.5. The general requirements for the use (e.g. maximum degree of filling, minimum test pressure) are to be found in 4.3.1 to 4.3.4.

The indication of a "(M)" after the tank code means that the substance can also be carried in battery-wagons or MEGCs.

The indication of a "(+)" after the tank code means that the alternative use of the tanks is permitted only where this is specified in the certificate of type approval.

For fibre-reinforced plastic tank-containers, see 4.4.1 and Chapter 6.9; for vacuum-operated waste tanks, see 4.5.1 and Chapter 6.10.

NOTE: Special provisions, indicated in Column (13), may change the above requirements.

Column (13) "Special provisions for RID tanks"

Contains the alphanumeric codes of the special provisions for RID tanks that have additionally to be met:

- Alphanumeric codes starting with the letters "TU" refer to special provisions for the use of these tanks. These are to be found in 4.3.5;
- Alphanumeric codes starting with the letters "TC" refer to special provisions for the construction of these tanks. These are to be found in 6.8.4 (a);
- Alphanumeric codes starting with the letters "TE" refer to special provisions concerning the items of equipment of these tanks. These are to be found in 6.8.4 (b);
- Alphanumeric codes starting with the letters "TA" refer to special provisions for the type approval of these tanks. These are to be found in 6.8.4 (c);

- Alphanumeric codes starting with the letters "TT" refer to special provisions for the testing of these tanks. These are to be found in 6.8.4 (d);
- Alphanumeric codes starting with the letters "TM" refer to special provisions for the marking of these tanks. These are to be found in 6.8.4 (e).

NOTE: If technically relevant, these special provisions are not only applicable to the tanks specified in column (12), but also to the tanks that may be used according to the hierarchies in 4.3.3.1.2 and 4.3.4.1.2.

Column (14) (Reserved)

Column (15) "Transport category"

Contains a figure indicating the transport category to which the substance or article is assigned for the purposes of exemption from transport operations performed by undertakings in connection with their main business (see 1.1.3.1 (c)).

Column (16) "Special provisions for carriage – Packages"

Contains the alphanumeric code(s), starting with letter "W", of the applicable special provisions (if any) for carriage in packages. These are listed in 7.2.4. General provisions concerning the carriage in packages are to be found in Chapters 7.1 and 7.2.

NOTE: In addition, special provisions indicated in Column (18), concerning loading, unloading and handling, shall be observed.

Column (17) "Special provisions for carriage – Bulk"

Contains the alphanumeric code(s), starting with letters "VW", of the applicable special provisions for carriage in bulk. These are listed in 7.3.3. If no code is given, carriage in bulk is not permitted. General Provisions concerning the carriage in bulk are to be found in Chapters 7.1 and 7.3.

NOTE: In addition, special provisions indicated in Column (18), concerning loading, unloading and handling, shall be observed.

Column (18) "Special provisions for carriage – Loading and unloading"

Contains the alphanumeric code(s), starting with letters "CW", of the applicable special provisions for loading, unloading and handling. These are listed in 7.5.11. If no code is given, only the general provisions apply (see 7.5.1 to 7.5.4 and 7.5.8).

Column (19) "Colis express (express parcels)"

Contains alphanumeric codes beginning with the letters "CE" for the requirements applicable to forwarding as Colis Express (express parcels). These requirements are given in Chapter 7.6. When column 19 does not contain a code, forwarding as Colis Express (express parcels) is not permitted.

Column (20) "Hazard identification number"

Contains a two or three figure number (preceded in certain cases by the letter "X") for substances and articles of classes 2 to 9, and for substances and articles of Class 1, the classification code (see column (3b)). In the cases described in 5.3.2.1, this number shall appear in the upper half of the orange-coloured marking. The meaning of the hazard identification numbers is explained in 5.3.2.3.

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and exempted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.		
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provi- sions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling				
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3		
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
0004	AMMONIUM PICRATE dry or wetted with less than 10% water, by mass	1	1.1D		1 (+13)		0	E0	P112a P112b P112c	PP26	MP20					1	W2 W3		CW1			1.1D
0005	CARTRIDGES FOR WEAPONS with bursting charge	1	1.1F		1 (+13)		0	E0	P130		MP23					1	W2					1.1F
0006	CARTRIDGES FOR WEAPONS with bursting charge	1	1.1E		1 (+13)		0	E0	P130 LP101	PP67 L1	MP21					1	W2					1.1E
0007	CARTRIDGES FOR WEAPONS with bursting charge	1	1.2F		1 (+13)		0	E0	P130		MP23					1	W2					1.2F
0009	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	1	1.2G		1		0	E0	P130 LP101	PP67 L1	MP23					1	W2					1.2G
0010	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	1	1.3G		1		0	E0	P130 LP101	PP67 L1	MP23					1	W2					1.3G
0012	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS	1	1.4S		1.4	364	5 kg	E0	P130		MP23 MP24					4	W2				CE1	1.4S
0014	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK or CARTRIDGES FOR TOOLS, BLANK	1	1.4S		1.4	364	5 kg	E0	P130		MP23 MP24					4	W2				CE1	1.4S
0015	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	1	1.2G		1		0	E0	P130 LP101	PP67 L1	MP23					1	W2					1.2G
0015	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge, containing corrosive substances	1	1.2G		1+8		0	E0	P130 LP101	PP67 L1	MP23					1	W2					1.2G
0016	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	1	1.3G		1		0	E0	P130 LP101	PP67 L1	MP23					1	W2					1.3G
0016	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge, containing corrosive substances	1	1.3G		1+8		0	E0	P130 LP101	PP67 L1	MP23					1	W2					1.3G
0018	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	1	1.2G		1+6.1+8		0	E0	P130 LP101	PP67 L1	MP23					1	W2					1.2G

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Coils express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions	Instruc- tions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	(3a) (3b)	(4)	(5)	3.3	3.4/3.5.1.2	4.1.4 (8)	4.1.4 (9a)	4.3 (12)	1.3.1(c)	7.2.4 (16)	7.3.3 (17)	5.3.2.3
(1)	(2)				(6)	(7a) (7b)							7.5.11 (18)	(20)
0019	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	1	1.3G		1+6.1+8		0	P130 LP101	PP67 L1		1	W2	CW1 CW28	1.3G
0020	AMMUNITION, TOXIC with burster, expelling charge or propelling charge	1	1.2K											
0021	AMMUNITION, TOXIC with burster, expelling charge or propelling charge	1	1.3K											
0027	BLACK POWDER (GUNPOWDER), granular or as a meal	1	1.1D		1 (+13)		0	P113	PP50		1	W2 W3	CW1	1.1D
0028	BLACK POWDER (GUNPOWDER), COMPRESSED or BLACK POWDER (GUNPOWDER), IN PELLETS	1	1.1D		1 (+13)		0	P113	PP51		1	W2	CW1	1.1D
0029	DETONATORS, NON-ELECTRIC for blasting	1	1.1B		1 (+13)		0	P131	PP68		1	W2	CW1	1.1B
0030	DETONATORS, ELECTRIC for blasting	1	1.1B		1 (+13)		0	P131			1	W2	CW1	1.1B
0033	BOMBS with bursting charge	1	1.1F		1 (+13)		0	P130	PP67		1	W2	CW1	1.1F
0034	BOMBS with bursting charge	1	1.1D		1 (+13)		0	P130 LP101	L1		1	W2	CW1	1.1D
0035	BOMBS with bursting charge	1	1.2D		1		0	P130 LP101	PP67 L1		1	W2	CW1	1.2D
0037	BOMBS, PHOTO-FLASH	1	1.1F		1 (+13)		0	P130			1	W2	CW1	1.1F
0038	BOMBS, PHOTO-FLASH	1	1.1D		1 (+13)		0	P130 LP101			1	W2	CW1	1.1D
0039	BOMBS, PHOTO-FLASH	1	1.2G		1		0	P130 LP101	PP67 L1		1	W2	CW1	1.2G
0042	BOOSTERS without detonator	1	1.1D		1 (+13)		0	P132a P132b			1	W2	CW1	1.1D
0043	BURSTERS, explosive	1	1.1D		1 (+13)		0	P133	PP69		1	W2	CW1	1.1D
0044	PRIMERS, CAP TYPE	1	1.4S		1.4		0	P133			4	W2	CW1 CE1	1.4S
0048	CHARGES, DEMOLITION	1	1.1D		1 (+13)		0	P130 LP101	PP67 L1		1	W2	CW1	1.1D
0049	CARTRIDGES, FLASH	1	1.1G		1 (+13)		0	P135			1	W2	CW1	1.1G
0050	CARTRIDGES, FLASH	1	1.3G		1		0	P135			1	W2	CW1	1.3G
0054	CARTRIDGES, SIGNAL	1	1.3G		1		0	P135			1	W2	CW1	1.3G

CARRIAGE PROHIBITED

CARRIAGE PROHIBITED

UN No.	Name and description	Classi- fication code	Packing group	Labels	Special provi- sions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identi- fication No.
							Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provi- sions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.1.1	5.3.2.3
(1)	(2)	(3a)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
0055	CASES, CARTRIDGE, EMPTY, WITH PRIMER	1	1.4S	1.4	364	5 kg E0	P136		MP23					4	W2		CW1	1.4S
0056	CHARGES, DEPTH	1	1.1D	1 (+13)		0 E0	P130 LP101	PP67	MP21					1	W2		CW1	1.1D
0059	CHARGES, SHAPED, without detonator	1	1.1D	1 (+13)		0 E0	P137	PP70	MP21					1	W2		CW1	1.1D
0060	CHARGES, SUPPLEMENTARY, EXPLOSIVE	1	1.1D	1 (+13)		0 E0	P132a P132b		MP21					1	W2		CW1	1.1D
0065	CORD, DETONATING, flexible	1	1.1D	1 (+13)		0 E0	P139	PP71 PP72	MP21					1	W2		CW1	1.1D
0066	CORD, IGNITER	1	1.4G	1.4		0 E0	P140		MP23					2	W2		CW1	1.4G
0070	CUTTERS, CABLE, EXPLOSIVE	1	1.4S	1.4		0 E0	P134 LP102		MP23					4	W2		CW1	1.4S
0072	CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX), WETTED with not less than 15% water, by mass	1	1.1D	1 (+15)	266	0 E0	P112a	PP45	MP20					1	W2		CW1	1.1D
0073	DETONATORS FOR AMMUNITION	1	1.1B	1 (+13)		0 E0	P133		MP23					1	W2		CW1	1.1B
0074	DIAZODINITROPHENOL, WETTED with not less than 40% water, or mixture of alcohol and water, by mass	1	1.1A															
0075	DIETHYLENEGLYCOL DINITRATE, DESENSITIZED with not less than 25% non-volatile, water-insoluble phlegmatizer, by mass	1	1.1D	1 (+15)	266	0 E0	P115	PP53 PP54 PP57 PP58	MP20					1	W2		CW1	1.1D
0076	DINITROPHENOL, dry or wetted with less than 15% water, by mass	1	1.1D	1+6.1 (+13)		0 E0	P112a P112b P112c	PP26	MP20					1	W2 W3		CW1 CW28	1.1D
0077	DINITROPHENOLATES, alkali metals, dry or wetted with less than 15% water, by mass	1	1.3C	1+6.1 (+13)		0 E0	P114a P114b	PP26	MP20					1	W2 W3		CW1 CW28	1.3C
0078	DINITRORESORCINOL, dry or wetted with less than 15% water, by mass	1	1.1D	1 (+13)		0 E0	P112a P112b P112c	PP26	MP20					1	W2 W3		CW1	1.1D
0079	HEXANITRODIPHENYLAMINE (DIPICRYLAMINE; HEXYL)	1	1.1D	1 (+13)		0 E0	P112b P112c		MP20					1	W2 W3		CW1	1.1D
0081	EXPLOSIVE, BLASTING, TYPE A	1	1.1D	1 (+13)	616 617	0 E0	P116	PP63 PP66	MP20					1	W2 W3		CW1	1.1D

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colis express (express parcels)	Hazard identification No						
								Packing instructions Special packing provisions Mixed packing provisions	Instruc-tions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling								
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	5.3.2.3	
(1)	(2)	1	1.1D	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
0082	EXPLOSIVE, BLASTING, TYPE B	1	1.1D		1 (+13)	617	0 E0	P116	PP61 PP62 PP65 B9	MP20					1	W2 W3 W12		CW1		1.1D
0083	EXPLOSIVE, BLASTING, TYPE C	1	1.1D		1 (+15)	267 617	0 E0	P116		MP20					1	W2 W3		CW1		1.1D
0084	EXPLOSIVE, BLASTING, TYPE D	1	1.1D		1 (+13)	617	0 E0	P116		MP20					1	W2		CW1		1.1D
0092	FLARES, SURFACE	1	1.3G		1		0 E0	P135		MP23					1	W2		CW1		1.3G
0093	FLARES, AERIAL	1	1.3G		1		0 E0	P135		MP23					1	W2		CW1		1.3G
0094	FLASH POWDER	1	1.1G		1 (+13)		0 E0	P113	PP49	MP20					1	W2 W3		CW1		1.1G
0099	FRACTURING DEVICES, EXPLOSIVE without detonator, for oil wells	1	1.1D		1 (+13)		0 E0	P134 LP102		MP21					1	W2		CW1		1.1D
0101	FUSE, NON-DETONATING	1	1.3G		1		0 E0	P140	PP74 PP75	MP23					1	W2		CW1		1.3G
0102	CORD (FUSE), DETONATING, metal clad	1	1.2D		1		0 E0	P139	PP71	MP21					1	W2		CW1		1.2D
0103	FUSE, IGNITER, tubular, metal clad	1	1.4G		1.4		0 E0	P140		MP23					2	W2		CW1		1.4G
0104	CORD (FUSE), DETONATING, MILD EFFECT, metal clad	1	1.4D		1.4		0 E0	P139	PP71	MP21					2	W2		CW1		1.4D
0105	FUSE, SAFETY	1	1.4S		1.4		0 E0	P140	PP73	MP23					4	W2		CW1	CE1	1.4S
0106	FUZES, DETONATING	1	1.1B		1 (+13)		0 E0	P141		MP23					1	W2		CW1		1.1B
0107	FUZES, DETONATING	1	1.2B		1 (+13)		0 E0	P141		MP23					1	W2		CW1		1.2B
0110	GRENADES, PRACTICE, hand or rifle	1	1.4S		1.4		0 E0	P141		MP23					4	W2		CW1	CE1	1.4S
0113	GUANYLINITROSAMINOGLYCIDENE HYDRAZINE, WETTED with not less than 30% water, by mass	1	1.1A																	
0114	GUANYLINITROSAMINOGLYCIDENE GUANYL-TETRAZENE (TETRAZENE), WETTED with not less than 30% water, or mixture of alcohol and water, by mass	1	1.1A																	
0118	HEXOLITE (HEXOTOL), dry or wetted with less than 15% water, by mass	1	1.1D		1 (+13)		0 E0	P112a P112b P112c		MP20					1	W2 W3		CW1		1.1D
0121	IGNITERS	1	1.1G		1 (+13)		0 E0	P142		MP23					1	W2		CW1		1.1G

CARRIAGE PROHIBITED

CARRIAGE PROHIBITED

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Coils express (express parcels)	Hazard identification No.					
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions	Special provisions		Packages Bulk Loading, unloading and handling							
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.2.5.2, 7.3.2	4.3	1.1.3.1c	7.2.4	7.3.3	5.3.2.3					
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)
0124	JET PERFORATING GUNS, CHARGED, oil well, without detonator	1	1.1D		1 (+13)		0 E0	P101	MP21		1	W2			1.1D				
0129	LEAD AZIDE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1	1.1A																
0130	LEAD STYPHATE (LEAD TRINITRORESORCINATE), WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1	1.1A																
0131	LIGHTERS, FUSE	1	1.4S		1.4	0	E0	P142	MP23		4	W2			1.4S				
0132	DEFLAGRATING METAL SALTS OF AROMATIC NITRODERIVATIVES, N.O.S.	1	1.3C		1 (+13)	274	0 E0	P114a P114b	MP2		1	W2 W3			1.3C				
0133	MANNITOL HEXANITRATE (NITROMANNITE), WETTED with not less than 40% water, or mixture of alcohol and water, by mass	1	1.1D		1 (+15)	266	0 E0	P112a	MP20		1	W2			1.1D				
0135	MERCURY FULMINATE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1	1.1A																
0136	MINES with bursting charge	1	1.1F		1 (+13)	0	E0	P130	MP23		1	W2			1.1F				
0137	MINES with bursting charge	1	1.1D		1 (+13)	0	E0	P130 LP101	MP21		1	W2			1.1D				
0138	MINES with bursting charge	1	1.2D		1	0	E0	P130 LP101	MP21		1	W2			1.2D				
0143	NITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass	1	1.1D		1+6.1 (+15)	266 271	0 E0	P115	MP20		1	W2			1.1D				
0144	NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin	1	1.1D		1 (+13)	358	0 E0	P115	MP20		1	W2			1.1D				
0146	NITROSTARCH, dry or wetted with less than 20% water, by mass	1	1.1D		1 (+15)	0	E0	P112a P112b P112c	MP20		1	W2 W3			1.1D				

3.2-A-5

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
0147	NITRO UREA	1	1.1D		1 (+13)		0	P112b		MP20					1	W2 W3				1.1D
0150	PENTAERYTHRIT TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), WETTED with not less than 25% water, by mass, or DESENSITIZED with not less than 15% phlegmatizer, by mass	1	1.1D		1 (+15)	266	0	P112a P112b		MP20					1	W2 W3				1.1D
0151	PENTOLITE, dry or wetted with less than 15% water, by mass	1	1.1D		1 (+13)		0	P112a P112b P112c		MP20					1	W2 W3				1.1D
0153	TRINITROANILINE (PICRAMIDE)	1	1.1D		1 (+13)		0	P112b P112c		MP20					1	W2 W3				1.1D
0154	TRINITROPHENOL (PICRIC ACID), dry or wetted with less than 30% water, by mass	1	1.1D		1 (+13)		0	P112a P112b P112c	PP26	MP20					1	W2 W3				1.1D
0155	TRINITROCHLOROBENZENE (PICRYL CHLORIDE)	1	1.1D		1 (+13)		0	P112b P112c		MP20					1	W2 W3				1.1D
0159	POWDER CAKE (POWDER PASTE), WETTED with not less than 25% water, by mass	1	1.3C		1 (+13)	266	0	P111	PP43	MP20					1	W2				1.3C
0160	POWDER, SMOKELESS	1	1.1C		1 (+15)		0	P114b	PP50 PP52	MP20 MP24					1	W2 W3				1.1C
0161	POWDER, SMOKELESS	1	1.3C		1 (+13)		0	P114b	PP50 PP52	MP20 MP24					1	W2 W3				1.3C
0167	PROJECTILES with bursting charge	1	1.1F		1 (+13)		0	P130		MP23					1	W2				1.1F
0168	PROJECTILES with bursting charge	1	1.1D		1 (+13)		0	P130 LP101	PP67 L1	MP21					1	W2				1.1D
0169	PROJECTILES with bursting charge	1	1.2D		1		0	P130 LP101	PP67 L1	MP21					1	W2				1.2D
0171	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1	1.2G		1		0	P130 LP101	PP67 L1	MP23					1	W2				1.2G
0173	RELEASE DEVICES, EXPLOSIVE	1	1.4S		1.4		0	P134 LP102		MP23					4	W2			CE1	1.4S
0174	RIVETS, EXPLOSIVE	1	1.4S		1.4		0	P134 LP102		MP23					4	W2			CE1	1.4S
0180	ROCKETS with bursting charge	1	1.1F		1 (+13)		0	P130		MP23					1	W2				1.1F

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colls express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.4	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
0181	ROCKETS with bursting charge	1	1.1E		1 (+13)		0 E0	P130 LP101	PP67 L1	MP21					1	W2		CW1		1.1E
0182	ROCKETS with bursting charge	1	1.2E		1		0 E0	P130 LP101	PP67 L1	MP21					1	W2		CW1		1.2E
0183	ROCKETS with inert head	1	1.3C		1		0 E0	P130 LP101	PP67 L1	MP22					1	W2		CW1		1.3C
0186	ROCKET MOTORS	1	1.3C		1		0 E0	P130 LP101	PP67 L1	MP22					1	W2		CW1		1.3C
0190	SAMPLES, EXPLOSIVE, other than initiating explosive	1				16 274	0 E0	P101		MP2					0	W2		CW1		
0191	SIGNAL DEVICES, HAND	1	1.4G		1.4		0 E0	P135		MP23					2	W2		CW1		1.4G
0192	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1	1.1G		1 (+13)		0 E0	P135		MP23					1	W2		CW1		1.1G
0193	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1	1.4S		1.4		0 E0	P135		MP23					4	W2		CW1	GE1	1.4S
0194	SIGNALS, DISTRESS, ship	1	1.1G		1 (+13)		0 E0	P135		MP23					1	W2		CW1		1.1G
0195	SIGNALS, DISTRESS, ship	1	1.3G		1		0 E0	P135		MP23					1	W2		CW1		1.3G
0196	SIGNALS, SMOKE	1	1.1G		1 (+13)		0 E0	P135		MP23					1	W2		CW1		1.1G
0197	SIGNALS, SMOKE	1	1.4G		1.4		0 E0	P135		MP23					2	W2		CW1		1.4G
0204	SOUNDING DEVICES, EXPLOSIVE	1	1.2F		1 (+13)		0 E0	P134 LP102		MP23					1	W2		CW1		1.2F
0207	TETRANITROANILINE	1	1.1D		1 (+13)		0 E0	P112b P112c		MP20					1	W2 W3		CW1		1.1D
0208	TRINITROPHENYLMETHYLNITRAMINE (TETRYL)	1	1.1D		1 (+15)		0 E0	P112b P112c		MP20					1	W2 W3		CW1		1.1D
0209	TRINITROTOLUENE (TNT), dry or wetted with less than 30% water, by mass	1	1.1D		1 (+13)		0 E0	P112b P112c	PP46	MP20					1	W2 W3		CW1		1.1D
0212	TRACERS FOR AMMUNITION	1	1.3G		1		0 E0	P133	PP69	MP23					1	W2		CW1		1.3G
0213	TRINITROANISOLE	1	1.1D		1 (+13)		0 E0	P112b P112c		MP20					1	W2 W3		CW1		1.1D
0214	TRINITROBENZENE, dry or wetted with less than 30% water, by mass	1	1.1D		1 (+13)		0 E0	P112a P112b P112c		MP20					1	W2 W3		CW1		1.1D

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colts express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct-ions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.3	1.1.3.1c)	7.2.4	7.3.3	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(12)	(15)	(16)	(17)	(18)
0215	TRINITROBENZONIC ACID, dry or wetted with less than 30% water, by mass	1	1.1D		1 (+13)		0 E0	P112a P112b P112c	MP20		1	W2 W3	CW1	1.1D
0216	TRINITRO-m-CRESOL	1	1.1D		1 (+13)		0 E0	P112b P112c	MP20		1	W2 W3	CW1	1.1D
0217	TRINITRONAPHTHALENE	1	1.1D		1 (+13)		0 E0	P112b P112c	MP20		1	W2 W3	CW1	1.1D
0218	TRINITROPHENETOLE	1	1.1D		1 (+13)		0 E0	P112b P112c	MP20		1	W2 W3	CW1	1.1D
0219	TRINITRORESORCINOL (STYPHNIC ACID), dry or wetted with less than 20% water, or mixture of alcohol and water, by mass	1	1.1D		1 (+15)		0 E0	P112a P112b P112c	MP20		1	W2 W3	CW1	1.1D
0220	UREA NITRATE, dry or wetted with less than 20% water, by mass	1	1.1D		1 (+13)		0 E0	P112a P112b P112c	MP20		1	W2 W3	CW1	1.1D
0221	WARHEADS, TORPEDO with bursting charge	1	1.1D		1 (+13)		0 E0	P130 LP101	MP21		1	W2	CW1	1.1D
0222	AMMONIUM NITRATE with more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	1	1.1D		1 (+13)		0 E0	P112b P112c	MP20		1	W2 W3	CW1	1.1D
0224	BARIUM AZIDE, dry or wetted with less than 50% water, by mass	1	1.1A											
0225	BOOSTERS WITH DETONATOR	1	1.1B		1 (+13)		0 E0	P133	PP69		1	W2	CW1	1.1B
0226	CYCLOTRAMETHYLENETETRA-NITRAMINE (HMX; OCTOGEN), WETTED with not less than 15% water, by mass	1	1.1D		1 (+15)	266	0 E0	P112a	PP45		1	W2	CW1	1.1D
0234	SODIUM DINITRO-o-CRESOLATE, dry or wetted with less than 15% water, by mass	1	1.3C		1 (+13)		0 E0	P114a P114b	MP20		1	W2 W3	CW1	1.3C
0235	SODIUM PICRAMATE, dry or wetted with less than 20% water, by mass	1	1.3C		1 (+13)		0 E0	P114a P114b	MP20		1	W2 W3	CW1	1.3C
0236	ZIRCONIUM PICRAMATE, dry or wetted with less than 20% water, by mass	1	1.3C		1 (+13)		0 E0	P114a P114b	MP20		1	W2 W3	CW1	1.3C

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
0237	CHARGES, SHAPED, FLEXIBLE, LINEAR	1	1.4D		1.4		0 E0	P138		MP21					2	W2		CW1	1.4D
0238	ROCKETS, LINE-THROWING	1	1.2G		1		0 E0	P130		MP23					1	W2		CW1	1.2G
0240	ROCKETS, LINE-THROWING	1	1.3G		1		0 E0	P130		MP24					1	W2		CW1	1.3G
0241	EXPLOSIVE, BLASTING, TYPE E	1	1.1D		1 (+13)	617	0 E0	P116	PP61 PP62 PP65 B10	MP20					1	W2 W12		CW1	1.1D
0242	CHARGES, PROPELLING, FOR CANNON	1	1.3C		1		0 E0	P130		MP22					1	W2		CW1	1.3C
0243	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1	1.2H		1 (+13)		0 E0	P130 LP101	PP67 L1	MP23					1	W2		CW1	1.2H
0244	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1	1.3H		1 (+13)		0 E0	P130 LP101	PP67 L1	MP23					1	W2		CW1	1.3H
0245	AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1	1.2H		1 (+13)		0 E0	P130 LP101	PP67 L1	MP23					1	W2		CW1	1.2H
0246	AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	1	1.3H		1 (+13)		0 E0	P130 LP101	PP67 L1	MP23					1	W2		CW1	1.3H
0247	AMMUNITION, INCENDIARY, liquid or gel, with burster, expelling charge or propelling charge	1	1.3J		1 (+13)		0 E0	P101		MP23					1	W2		CW1	1.3J
0248	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge	1	1.2L		1 (+13)	274	0 E0	P144	PP77	MP1					0	W2		CW1 CW4	1.2L
0249	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge	1	1.3L		1 (+13)	274	0 E0	P144	PP77	MP1					0	W2		CW1 CW4	1.3L
0250	ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge	1	1.3L		1 (+13)		0 E0	P101		MP1					0	W2		CW1 CW4	1.3L

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
0254	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1	1.3G		1		0 E0	P130 LP101	PP67 L1	MP23					1	W2			CW1	1.3G
0255	DETONATORS, ELECTRIC for blasting	1	1.4B		1.4		0 E0	P131		MP23					2	W2			CW1	1.4B
0257	FUZES, DETONATING	1	1.4B		1.4		0 E0	P141		MP23					2	W2			CW1	1.4B
0266	OCTOLITE (OCTOL), dry or wetted with less than 15% water, by mass	1	1.1D		1 (+13)		0 E0	P112a P112b P112c		MP20					1	W2 W3			CW1	1.1D
0267	DETONATORS, NON-ELECTRIC for blasting	1	1.4B		1.4		0 E0	P131	PP68	MP23					2	W2			CW1	1.4B
0268	BOOSTERS WITH DETONATOR	1	1.2B		1 (+13)		0 E0	P133	PP69	MP23					1	W2			CW1	1.2B
0271	CHARGES, PROPELLING	1	1.1C		1 (+13)		0 E0	P143	PP76	MP22					1	W2			CW1	1.1C
0272	CHARGES, PROPELLING	1	1.3C		1		0 E0	P143	PP76	MP22					1	W2			CW1	1.3C
0275	CARTRIDGES, POWER DEVICE	1	1.3C		1		0 E0	P134 LP102		MP22					1	W2			CW1	1.3C
0276	CARTRIDGES, POWER DEVICE	1	1.4C		1.4		0 E0	P134 LP102		MP22					2	W2			CW1	1.4C
0277	CARTRIDGES, OIL WELL	1	1.3C		1		0 E0	P134 LP102		MP22					1	W2			CW1	1.3C
0278	CARTRIDGES, OIL WELL	1	1.4C		1.4		0 E0	P134 LP102		MP22					2	W2			CW1	1.4C
0279	CHARGES, PROPELLING, FOR CANNON	1	1.1C		1 (+13)		0 E0	P130		MP22					1	W2			CW1	1.1C
0280	ROCKET MOTORS	1	1.1C		1 (+13)		0 E0	P130 LP101	PP67 L1	MP22					1	W2			CW1	1.1C
0281	ROCKET MOTORS	1	1.2C		1		0 E0	P130 LP101	PP67 L1	MP22					1	W2			CW1	1.2C
0282	NITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass	1	1.1D		1 (+13)		0 E0	P112a P112b P112c		MP20					1	W2 W3			CW1	1.1D
0283	BOOSTERS without detonator	1	1.2D		1		0 E0	P132a P132b		MP21					1	W2			CW1	1.2D
0284	GRENADES, hand or rifle, with bursting charge	1	1.1D		1 (+13)		0 E0	P141		MP21					1	W2			CW1	1.1D
0285	GRENADES, hand or rifle, with bursting charge	1	1.2D		1		0 E0	P141		MP21					1	W2			CW1	1.2D

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
0286	WARHEADS, ROCKET with bursting charge	1	1.1D		1 (+13)		0 E0	P130 LP101	PP67 L1	MP21					1	W2		CW1		1.1D
0287	WARHEADS, ROCKET with bursting charge	1	1.2D		1		0 E0	P130 LP101	PP67 L1	MP21					1	W2		CW1		1.2D
0288	CHARGES, SHAPED, FLEXIBLE, LINEAR	1	1.1D		1 (+13)		0 E0	P138		MP21					1	W2		CW1		1.1D
0289	CORD, DETONATING, flexible	1	1.4D		1.4		0 E0	P139	PP71 PP72	MP21					2	W2		CW1		1.4D
0290	CORD (FUSE), DETONATING, metal	1	1.1D		1 (+13)		0 E0	P139	PP71	MP21					1	W2		CW1		1.1D
0291	BOMBS with bursting charge	1	1.2F		1 (+13)		0 E0	P130		MP23					1	W2		CW1		1.2F
0292	GRENADES, hand or rifle, with bursting charge	1	1.1F		1 (+13)		0 E0	P141		MP23					1	W2		CW1		1.1F
0293	GRENADES, hand or rifle, with bursting charge	1	1.2F		1 (+13)		0 E0	P141		MP23					1	W2		CW1		1.2F
0294	MINES with bursting charge	1	1.2F		1 (+13)		0 E0	P130		MP23					1	W2		CW1		1.2F
0295	ROCKETS with bursting charge	1	1.2F		1 (+13)		0 E0	P130		MP23					1	W2		CW1		1.2F
0296	SOUNDING DEVICES, EXPLOSIVE	1	1.1F		1 (+13)		0 E0	P134 LP102		MP23					1	W2		CW1		1.1F
0297	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	1	1.4G		1.4		0 E0	P130 LP101	PP67 L1	MP23					2	W2		CW1		1.4G
0299	BOMBS, PHOTO-FLASH	1	1.3G		1		0 E0	P130 LP101	PP67 L1	MP23					1	W2		CW1		1.3G
0300	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	1	1.4G		1.4		0 E0	P130 LP101	PP67 L1	MP23					2	W2		CW1		1.4G
0301	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	1	1.4G		1.4+6.1+8		0 E0	P130 LP101	PP67 L1	MP23					2	W2		CW1 CW28		1.4G
0303	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	1	1.4G		1.4		0 E0	P130 LP101	PP67 L1	MP23					2	W2		CW1		1.4G
0303	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge, containing corrosive substances	1	1.4G		1.4+8		0 E0	P130 LP101	PP67 L1	MP23					2	W2		CW1		1.4G
0305	FLASH POWDER	1	1.3G		1		0 E0	P113	PP49	MP20					1	W2 W3		CW1		1.3G

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing Instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Package	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.16	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
0306	TRACERS FOR AMMUNITION	1	1.4G		1.4		0 E0	P133	PP69	MP23					2	W2		CW1	1.4G
0312	CARTRIDGES, SIGNAL	1	1.4G		1.4		0 E0	P135		MP23					2	W2		CW1	1.4G
0313	SIGNALS, SMOKE	1	1.2G		1		0 E0	P135		MP23					1	W2		CW1	1.2G
0314	IGNITERS	1	1.2G		1		0 E0	P142		MP23					1	W2		CW1	1.2G
0315	IGNITERS	1	1.3G		1		0 E0	P142		MP23					1	W2		CW1	1.3G
0316	FUZES, IGNITING	1	1.3G		1		0 E0	P141		MP23					1	W2		CW1	1.3G
0317	FUZES, IGNITING	1	1.4G		1.4		0 E0	P141		MP23					2	W2		CW1	1.4G
0318	GRENADES, PRACTICE, hand or rifle	1	1.3G		1		0 E0	P141		MP23					1	W2		CW1	1.3G
0319	PRIMERS, TUBULAR	1	1.3G		1		0 E0	P133		MP23					1	W2		CW1	1.3G
0320	PRIMERS, TUBULAR	1	1.4G		1.4		0 E0	P133		MP23					2	W2		CW1	1.4G
0321	CARTRIDGES FOR WEAPONS with bursting charge	1	1.2E		1		0 E0	P130	PP67 L1	MP21					1	W2		CW1	1.2E
0322	ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge	1	1.2L		1 (+13)		0 E0	P101		MP1					0	W2		CW1	1.2L
0323	CARTRIDGES, POWER DEVICE	1	1.4S		1.4	347	0 E0	P134		MP23					4	W2		CW4	1.4S
0324	PROJECTILES with bursting charge	1	1.2F		1 (+13)		0 E0	P130		MP23					1	W2		CW1	1.2F
0325	IGNITERS	1	1.4G		1.4		0 E0	P142		MP23					2	W2		CW1	1.4G
0326	CARTRIDGES FOR WEAPONS, BLANK	1	1.1C		1 (+13)		0 E0	P130		MP22					1	W2		CW1	1.1C
0327	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK	1	1.3C		1		0 E0	P130		MP22					1	W2		CW1	1.3C
0328	CARTRIDGES FOR WEAPONS, INERT PROJECTILE	1	1.2C		1		0 E0	P130	PP67 L1	MP22					1	W2		CW1	1.2C
0329	TORPEDOES with bursting charge	1	1.1E		1 (+13)		0 E0	P130	PP67 L1	MP21					1	W2		CW1	1.1E
0330	TORPEDOES with bursting charge	1	1.1F		1 (+13)		0 E0	P130		MP23					1	W2		CW1	1.1F
0331	EXPLOSIVE, BLASTING, TYPE B (AGENT, BLASTING, TYPE B)	1	1.5D		1.5	617	0 E0	P116	PP61 PP62 PP65	MP20 TP17 TP32	T1	TP1 TP17 TP32			1	W2 W12		CW1	1.5D
0332	EXPLOSIVE, BLASTING, TYPE E (AGENT, BLASTING, TYPE E)	1	1.5D		1.5	617	0 E0	P116	PP61 PP62 PP65	MP20 TP17 TP32	T1	TP1 TP17 TP32			1	W2 W12		CW1	1.5D

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
0333	FIREWORKS	1	1.1G		1 (+13)	645	0 E0	P135		MP23					1	W2		CW1		1.1G
0334	FIREWORKS	1	1.2G		1	645	0 E0	P135		MP23					1	W2		CW1		1.2G
0335	FIREWORKS	1	1.3G		1	645	0 E0	P135		MP23					1	W2		CW1		1.3G
0336	FIREWORKS	1	1.4G		1.4	645	0 E0	P135		MP23					2	W2		CW1	CE1	1.4G
0337	FIREWORKS	1	1.4S		1.4	645	0 E0	P135		MP24					4	W2		CW1	CE1	1.4S
0338	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK	1	1.4C		1.4		0 E0	P130		MP22					2	W2		CW1		1.4C
0339	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS	1	1.4C		1.4		0 E0	P130		MP22					2	W2		CW1		1.4C
0340	NITROCELLULOSE, dry or wetted with less than 25% water (or alcohol), by mass	1	1.1D		1 (+15)		0 E0	P112a		MP20					1	W2		CW1		1.1D
0341	NITROCELLULOSE, unmodified or plasticized with less than 18% plasticizing substance, by mass	1	1.1D		1 (+15)		0 E0	P112b		MP20					1	W2		CW1		1.1D
0342	NITROCELLULOSE, WETTED with not less than 25% alcohol, by mass	1	1.3C		1 (+13)	105	0 E0	P114a		PP43					1	W2		CW1		1.3C
0343	NITROCELLULOSE, PLASTICIZED with not less than 18% plasticizing substance, by mass	1	1.3C		1 (+13)	105	0 E0	P111		MP20					1	W2		CW1		1.3C
0344	PROJECTILES with bursting charge	1	1.4D		1.4		0 E0	P130	PP67 L1	MP21					2	W2		CW1		1.4D
0345	PROJECTILES, inert with tracer	1	1.4S		1.4		0 E0	P130	PP67 L1	MP23					4	W2		CW1	CE1	1.4S
0346	PROJECTILES with burster or expelling charge	1	1.2D		1		0 E0	P130	PP67 L1	MP21					1	W2		CW1		1.2D
0347	PROJECTILES with burster or expelling charge	1	1.4D		1.4		0 E0	P130	PP67 L1	MP21					2	W2		CW1		1.4D
0348	CARTRIDGES FOR WEAPONS with bursting charge	1	1.4F		1.4		0 E0	P130		MP23					2	W2		CW1		1.4F
0349	ARTICLES, EXPLOSIVE, N.O.S.	1	1.4S		1.4	178	0 E0	P101		MP2					4	W2		CW1	CE1	1.4S

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
0350	ARTICLES, EXPLOSIVE, N.O.S.	1	1.4B		1.4	178 274	0 E0	P101		MP2					2	W2		CW1		1.4B
0351	ARTICLES, EXPLOSIVE, N.O.S.	1	1.4C		1.4	178 274	0 E0	P101		MP2					2	W2		CW1		1.4C
0352	ARTICLES, EXPLOSIVE, N.O.S.	1	1.4D		1.4	178 274	0 E0	P101		MP2					2	W2		CW1		1.4D
0353	ARTICLES, EXPLOSIVE, N.O.S.	1	1.4G		1.4	178 274	0 E0	P101		MP2					2	W2		CW1		1.4G
0354	ARTICLES, EXPLOSIVE, N.O.S.	1	1.1L		1 (+13)	178 274	0 E0	P101		MP1					0	W2		CW1		1.1L
0355	ARTICLES, EXPLOSIVE, N.O.S.	1	1.2L		1 (+13)	178 274	0 E0	P101		MP1					0	W2		CW1		1.2L
0356	ARTICLES, EXPLOSIVE, N.O.S.	1	1.3L		1 (+13)	178 274	0 E0	P101		MP1					0	W2		CW1		1.3L
0357	SUBSTANCES, EXPLOSIVE, N.O.S.	1	1.1L		1 (+13)	178 274	0 E0	P101		MP1					0	W2		CW1		1.1L
0358	SUBSTANCES, EXPLOSIVE, N.O.S.	1	1.2L		1 (+13)	178 274	0 E0	P101		MP1					0	W2		CW1		1.2L
0359	SUBSTANCES, EXPLOSIVE, N.O.S.	1	1.3L		1 (+13)	178 274	0 E0	P101		MP1					0	W2		CW1		1.3L
0360	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1	1.1B		1 (+13)		0 E0	P131		MP23					1	W2		CW1		1.1B
0361	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	1	1.4B		1.4		0 E0	P131		MP23					2	W2		CW1		1.4B
0362	AMMUNITION, PRACTICE	1	1.4G		1.4		0 E0	P130 LP101	PP67 L1	MP23					2	W2		CW1		1.4G
0363	AMMUNITION, PROOF	1	1.4G		1.4		0 E0	P130 LP101	PP67 L1	MP23					2	W2		CW1		1.4G
0364	DETONATORS FOR AMMUNITION	1	1.2B		1 (+13)		0 E0	P133		MP23					1	W2		CW1		1.2B
0365	DETONATORS FOR AMMUNITION	1	1.4B		1.4		0 E0	P133		MP23					2	W2		CW1		1.4B
0366	DETONATORS FOR AMMUNITION	1	1.4S		1.4	347	0 E0	P133		MP23					4	W2		CW1	CE1	1.4S
0367	FUZES, DETONATING	1	1.4S		1.4		0 E0	P141		MP23					4	W2		CW1	CE1	1.4S
0368	FUZES, IGNITING	1	1.4S		1.4		0 E0	P141		MP23					4	W2		CW1	CE1	1.4S
0369	WARHEADS, ROCKET with bursting charge	1	1.1F		1 (+13)		0 E0	P130		MP23					1	W2		CW1		1.1F
0370	WARHEADS, ROCKET with burster or expelling charge	1	1.4D		1.4		0 E0	P130 LP101	PP67 L1	MP21					2	W2		CW1		1.4D

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
0371	WARHEADS, ROCKET with burster or expelling charge	1	1.4F		1.4		0	E0	P130						2	W2		CW1		1.4F
0372	GRENADES, PRACTICE, hand or rifle	1	1.2G		1		0	E0	P141						1	W2		CW1		1.2G
0373	SIGNAL DEVICES, HAND	1	1.4S		1.4		0	E0	P135						4	W2		CW1	CE1	1.4S
0374	SOUNDING DEVICES, EXPLOSIVE	1	1.1D		1 (+13)		0	E0	P134						1	W2		CW1		1.1D
0375	SOUNDING DEVICES, EXPLOSIVE	1	1.2D		1		0	E0	P134						1	W2		CW1		1.2D
0376	PRIMERS, TUBULAR	1	1.4S		1.4		0	E0	P133						4	W2		CW1	CE1	1.4S
0377	PRIMERS, CAP TYPE	1	1.1B		1 (+13)		0	E0	P133						1	W2		CW1		1.1B
0378	PRIMERS, CAP TYPE	1	1.4B		1.4		0	E0	P133						2	W2		CW1		1.4B
0379	CASES, CARTRIDGE, EMPTY, WITH PRIMER	1	1.4C		1.4		0	E0	P136						2	W2		CW1		1.4C
0380	ARTICLES, PYROPHORIC	1	1.2L		1 (+13)		0	E0	P101						0	W2		CW1		1.2L
0381	CARTRIDGES, POWER DEVICE	1	1.2C		1		0	E0	P134						1	W2		CW4		1.2C
0382	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1	1.2B		1 (+13)	178	0	E0	P101						1	W2		CW1		1.2B
0383	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1	1.4B		1.4	178	0	E0	P101						2	W2		CW1		1.4B
0384	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1	1.4S		1.4	178	0	E0	P101						4	W2		CW1	CE1	1.4S
0385	5-NITROBENZOTRIAZOL	1	1.1D		1 (+13)		0	E0	P112b						1	W2		CW1		1.1D
0386	TRINITROBENZENESULPHONIC ACID	1	1.1D		1 (+13)		0	E0	P112b						1	W2		CW1		1.1D
0387	TRINITROFLUORENONE	1	1.1D		1 (+13)		0	E0	P112b						1	W2		CW1		1.1D
0388	TRINITROTOLUENE (TNT) AND TRINITROBENZENE MIXTURE or TRINITROTOLUENE (TNT) AND HEXANITROSTILBENE MIXTURE	1	1.1D		1 (+13)		0	E0	P112b						1	W2		CW1		1.1D
0389	TRINITROTOLUENE (TNT) MIXTURE CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE	1	1.1D		1 (+13)		0	E0	P112b						1	W2		CW1		1.1D

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								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions	Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	7.2.4	7.3.3	7.5.11	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)
0390	TRITONAL	1	1.1D		1 (+13)		0 E0	P112b P112c		MP20					1 W2 W3		CW1		1.1D
0391	CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX) AND CYCLOTETRAMETHYLENETETRA-NITRAMINE (HMX; OCTOGEN) MIXTURE, WETTED with not less than 15% water, by mass or DESENSITIZED with not less than 10% phlegmatiser by mass	1	1.1D		1 (+15)	266	0 E0	P112a P112b		MP20					1 W2 W3		CW1		1.1D
0392	HEXANITROSTILBENE	1	1.1D		1 (+13)		0 E0	P112b P112c		MP20					1 W2 W3		CW1		1.1D
0393	HEXOTONAL	1	1.1D		1 (+13)		0 E0	P112b		MP20					1 W2 W3		CW1		1.1D
0394	TRINITRORESORCINOL (STYPHNIC ACID), WETTED with not less than 20% water, or mixture of alcohol and water, by mass	1	1.1D		1 (+15)		0 E0	P112a	PP26	MP20					1 W2		CW1		1.1D
0395	ROCKET MOTORS, LIQUID FUELLED	1	1.2J		1 (+13)		0 E0	P101		MP23					1 W2		CW1		1.2J
0396	ROCKET MOTORS, LIQUID FUELLED	1	1.3J		1 (+13)		0 E0	P101		MP23					1 W2		CW1		1.3J
0397	ROCKETS, LIQUID FUELLED with bursting charge	1	1.1J		1 (+13)		0 E0	P101		MP23					1 W2		CW1		1.1J
0398	ROCKETS, LIQUID FUELLED with bursting charge	1	1.2J		1 (+13)		0 E0	P101		MP23					1 W2		CW1		1.2J
0399	BOMBS WITH FLAMMABLE LIQUID with bursting charge	1	1.1J		1 (+13)		0 E0	P101		MP23					1 W2		CW1		1.1J
0400	BOMBS WITH FLAMMABLE LIQUID with bursting charge	1	1.2J		1 (+13)		0 E0	P101		MP23					1 W2		CW1		1.2J
0401	DIPICRYL SULPHIDE, dry or wetted with less than 10% water, by mass	1	1.1D		1 (+13)		0 E0	P112a P112b P112c		MP20					1 W2 W3		CW1		1.1D
0402	AMMONIUM PERCHLORATE	1	1.1D		1 (+13)	152	0 E0	P112b P112c		MP20					1 W2 W3		CW1		1.1D
0403	FLARES, AERIAL	1	1.4G		1.4		0 E0	P135		MP23					2 W2		CW1		1.4G
0404	FLARES, AERIAL	1	1.4S		1.4		0 E0	P135		MP23					4 W2		CW1	CE1	1.4S
0405	CARTRIDGES, SIGNAL	1	1.4S		1.4		0 E0	P135		MP24					4 W2		CW1	CE1	1.4S

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
0406	DINITROSOBENZENE	1	1.3C		1 (+13)		0 E0	P114b		MP20					1	W2 W3		CW1		1.3C
0407	TETRAZOL-1-ACETIC ACID	1	1.4C		1.4		0 E0	P114b		MP20					2	W2		CW1		1.4C
0408	FUZES, DETONATING with protective features	1	1.1D		1 (+13)		0 E0	P141		MP21					1	W2		CW1		1.1D
0409	FUZES, DETONATING with protective features	1	1.2D		1		0 E0	P141		MP21					1	W2		CW1		1.2D
0410	FUZES, DETONATING with protective features	1	1.4D		1.4		0 E0	P141		MP21					2	W2		CW1		1.4D
0411	PENTAERYTHRITOL TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN) with not less than 7% wax, by mass	1	1.1D		1 (+15)	131	0 E0	P112b P112c		MP20					1	W2 W3		CW1		1.1D
0412	CARTRIDGES FOR WEAPONS with bursting charge	1	1.4E		1.4		0 E0	P130 LP101	PP67 L1	MP21					2	W2		CW1		1.4E
0413	CARTRIDGES FOR WEAPONS, BLANK	1	1.2C		1		0 E0	P130		MP22					1	W2		CW1		1.2C
0414	CHARGES, PROPELLING, FOR CANNON	1	1.2C		1		0 E0	P130		MP22					1	W2		CW1		1.2C
0415	CHARGES, PROPELLING	1	1.2C		1		0 E0	P143	PP76	MP22					1	W2		CW1		1.2C
0417	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS	1	1.3C		1		0 E0	P130		MP22					1	W2		CW1		1.3C
0418	FLARES, SURFACE	1	1.1G		1 (+13)		0 E0	P135		MP23					1	W2		CW1		1.1G
0419	FLARES, SURFACE	1	1.2G		1		0 E0	P135		MP23					1	W2		CW1		1.2G
0420	FLARES, AERIAL	1	1.1G		1 (+13)		0 E0	P135		MP23					1	W2		CW1		1.1G
0421	FLARES, AERIAL	1	1.2G		1		0 E0	P135		MP23					1	W2		CW1		1.2G
0424	PROJECTILES, inert with tracer	1	1.3G		1		0 E0	P130 LP101	PP67 L1	MP23					1	W2		CW1		1.3G
0425	PROJECTILES, inert with tracer	1	1.4G		1.4		0 E0	P130 LP101	PP67 L1	MP23					2	W2		CW1		1.4G
0426	PROJECTILES with burster or expelling charge	1	1.2F		1 (+13)		0 E0	P130		MP23					1	W2		CW1		1.2F
0427	PROJECTILES with burster or expelling charge	1	1.4F		1.4		0 E0	P130		MP23					2	W2		CW1		1.4F
0428	ARTICLES, PYROTECHNIC for technical purposes	1	1.1G		1 (+13)		0 E0	P135		MP23 MP24					1	W2		CW1		1.1G

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								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
0429	ARTICLES, PYROTECHNIC for technical purposes	1	1.2G		1		0 E0	P135		MP23					1	W2		CW1		1.2G
0430	ARTICLES, PYROTECHNIC for technical purposes	1	1.3G		1		0 E0	P135		MP23					1	W2		CW1		1.3G
0431	ARTICLES, PYROTECHNIC for technical purposes	1	1.4G		1.4		0 E0	P135		MP23					2	W2		CW1	CE1	1.4G
0432	ARTICLES, PYROTECHNIC for technical purposes	1	1.4S		1.4		0 E0	P135		MP23					4	W2		CW1	CE1	1.4S
0433	POWDER CAKE (POWDER PASTE), WETTED with not less than 17% alcohol, by mass	1	1.1C		1 (+13)	266	0 E0	P111		MP20					1	W2		CW1		1.1C
0434	PROJECTILES with burster or expelling charge	1	1.2G		1		0 E0	P130 LP101	PP67 L1	MP23					1	W2		CW1		1.2G
0435	PROJECTILES with burster or expelling charge	1	1.4G		1.4		0 E0	P130 LP101	PP67 L1	MP23					2	W2		CW1		1.4G
0436	ROCKETS with expelling charge	1	1.2C		1		0 E0	P130 LP101	PP67 L1	MP22					1	W2		CW1		1.2C
0437	ROCKETS with expelling charge	1	1.3C		1		0 E0	P130 LP101	PP67 L1	MP22					1	W2		CW1		1.3C
0438	ROCKETS with expelling charge	1	1.4C		1.4		0 E0	P130 LP101	PP67 L1	MP22					2	W2		CW1		1.4C
0439	CHARGES, SHAPED, without detonator	1	1.2D		1		0 E0	P137	PP70	MP21					1	W2		CW1		1.2D
0440	CHARGES, SHAPED, without detonator	1	1.4D		1.4		0 E0	P137	PP70	MP21					2	W2		CW1		1.4D
0441	CHARGES, SHAPED, without detonator	1	1.4S		1.4	347	0 E0	P137	PP70	MP23					4	W2		CW1	CE1	1.4S
0442	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1	1.1D		1 (+13)		0 E0	P137		MP21					1	W2		CW1		1.1D
0443	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1	1.2D		1		0 E0	P137		MP21					1	W2		CW1		1.2D
0444	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1	1.4D		1.4		0 E0	P137		MP21					2	W2		CW1		1.4D
0445	CHARGES, EXPLOSIVE, COMMERCIAL without detonator	1	1.4S		1.4	347	0 E0	P137		MP23					4	W2		CW1	CE1	1.4S
0446	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER	1	1.4C		1.4		0 E0	P136		MP22					2	W2		CW1		1.4C
0447	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER	1	1.3C		1		0 E0	P136		MP22					1	W2		CW1		1.3C

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
0448	5-MERCAPTOTETRAZOL-1-ACETIC ACID	1	1.4C		1.4		0 E0	P114b		MP20					2	W2		CW1		1.4C
0449	TORPEDOES, LIQUID FUELLED with or without bursting charge	1	1.1J		1 (+13)		0 E0	P101		MP23					1	W2		CW1		1.1J
0450	TORPEDOES, LIQUID FUELLED with inert head	1	1.3J		1 (+13)		0 E0	P101		MP23					1	W2		CW1		1.3J
0451	TORPEDOES with bursting charge	1	1.1D		1 (+13)		0 E0	P130	PP67	MP21					1	W2		CW1		1.1D
0452	GRENADERS, PRACTICE, hand or rifle	1	1.4G		1.4		0 E0	P141	L1	MP23					2	W2		CW1		1.4G
0453	ROCKETS, LINE-THROWING	1	1.4G		1.4		0 E0	P130		MP23					2	W2		CW1		1.4G
0454	IGNITERS	1	1.4S		1.4		0 E0	P142		MP23					4	W2		CW1	CE1	1.4S
0455	DETONATORS, NON-ELECTRIC for blasting	1	1.4S		1.4	347	0 E0	P131	PP68	MP23					4	W2		CW1	CE1	1.4S
0456	DETONATORS, ELECTRIC for blasting	1	1.4S		1.4	347	0 E0	P131		MP23					4	W2		CW1	CE1	1.4S
0457	CHARGES, BURSTING, PLASTICS BONDED	1	1.1D		1 (+13)		0 E0	P130		MP21					1	W2		CW1		1.1D
0458	CHARGES, BURSTING, PLASTICS BONDED	1	1.2D		1		0 E0	P130		MP21					1	W2		CW1		1.2D
0459	CHARGES, BURSTING, PLASTICS BONDED	1	1.4D		1.4		0 E0	P130		MP21					2	W2		CW1		1.4D
0460	CHARGES, BURSTING, PLASTICS BONDED	1	1.4S		1.4	347	0 E0	P130		MP23					4	W2		CW1	CE1	1.4S
0461	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	1	1.1B		1 (+13)	178 274	0 E0	P101		MP2					1	W2		CW1		1.1B
0462	ARTICLES, EXPLOSIVE, N.O.S.	1	1.1C		1 (+13)	178 274	0 E0	P101		MP2					1	W2		CW1		1.1C
0463	ARTICLES, EXPLOSIVE, N.O.S.	1	1.1D		1 (+13)	178 274	0 E0	P101		MP2					1	W2		CW1		1.1D
0464	ARTICLES, EXPLOSIVE, N.O.S.	1	1.1E		1 (+13)	178 274	0 E0	P101		MP2					1	W2		CW1		1.1E
0465	ARTICLES, EXPLOSIVE, N.O.S.	1	1.1F		1 (+13)	178 274	0 E0	P101		MP2					1	W2		CW1		1.1F
0466	ARTICLES, EXPLOSIVE, N.O.S.	1	1.2C		1	178 274	0 E0	P101		MP2					1	W2		CW1		1.2C
0467	ARTICLES, EXPLOSIVE, N.O.S.	1	1.2D		1	178 274	0 E0	P101		MP2					1	W2		CW1		1.2D

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging				Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	5.3.2.3		
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)	
0468	ARTICLES, EXPLOSIVE, N.O.S.	1	1.2E		1	178 274	0 E0	P101		MP2					1	W2			CW1		1.2E
0469	ARTICLES, EXPLOSIVE, N.O.S.	1	1.2F		1 (+13)	178 274	0 E0	P101		MP2					1	W2			CW1		1.2F
0470	ARTICLES, EXPLOSIVE, N.O.S.	1	1.3C		1	178 274	0 E0	P101		MP2					1	W2			CW1		1.3C
0471	ARTICLES, EXPLOSIVE, N.O.S.	1	1.4E		1.4	178 274	0 E0	P101		MP2					2	W2			CW1		1.4E
0472	ARTICLES, EXPLOSIVE, N.O.S.	1	1.4F		1.4	178 274	0 E0	P101		MP2					2	W2			CW1		1.4F
CARRIAGE PROHIBITED																					
0473	SUBSTANCES, EXPLOSIVE, N.O.S.	1	1.1A		1 (+13)	178 274	0 E0	P101		MP2					1	W2			CW1		1.1C
0474	SUBSTANCES, EXPLOSIVE, N.O.S.	1	1.1C		1 (+13)	178 274	0 E0	P101		MP2					1	W2			CW1		1.1D
0475	SUBSTANCES, EXPLOSIVE, N.O.S.	1	1.1D		1 (+13)	178 274	0 E0	P101		MP2					1	W2			CW1		1.1D
0476	SUBSTANCES, EXPLOSIVE, N.O.S.	1	1.1G		1 (+13)	178 274	0 E0	P101		MP2					1	W2			CW1		1.1G
0477	SUBSTANCES, EXPLOSIVE, N.O.S.	1	1.3C		1 (+13)	178 274	0 E0	P101		MP2					1	W2			CW1		1.3C
0478	SUBSTANCES, EXPLOSIVE, N.O.S.	1	1.3G		1	178 274	0 E0	P101		MP2					1	W2			CW1		1.3G
0479	SUBSTANCES, EXPLOSIVE, N.O.S.	1	1.4C		1.4	178 274	0 E0	P101		MP2					2	W2			CW1		1.4C
0480	SUBSTANCES, EXPLOSIVE, N.O.S.	1	1.4D		1.4	178 274	0 E0	P101		MP2					2	W2			CW1		1.4D
0481	SUBSTANCES, EXPLOSIVE, N.O.S.	1	1.4S		1.4	178 274	0 E0	P101		MP2					4	W2			CW1		1.4S
0482	SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE (SUBSTANCES, EVI), N.O.S.	1	1.5D		1.5	178 274	0 E0	P101		MP2					1	W2			CW1		1.5D
0483	CYCLOTRIMETHYLENETRINITRAMINE (CYCLONITE; HEXOGEN; RDX), N.O.S.	1	1.1D		1 (+13)		0 E0	P112b P112c		MP20					1	W2			CW1		1.1D
0484	CYCLOTETRAMETHYLENE-TETRANITRAMINE (HMX; OCTOGEN), DESENSITIZED	1	1.1D		1 (+13)		0 E0	P112b P112c		MP20					1	W2			CW1		1.1D

3.2-A-20

UN No.	Name and description	Classi- fication code	Packing group	Labels	Special provi- sions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identi- fication No.
							Packing instructions	Special packing provisions	Mixed packing provi- sions	Instruc- tions	Special provi- sions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.4	4.2.5.2, 4.1.10 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
0485	SUBSTANCES, EXPLOSIVE, N.O.S.	1 1.4G		1.4	178 274	0 E0	P101		MP2					2	W2 W3		CW1	1.4G
0486	ARTICLES, EXPLOSIVE, EXTREMELY INSENSITIVE (ARTICLES, EEI)	1 1.6N		1.6		0 E0	P101		MP23					2	W2		CW1	1.6N
0487	SIGNALS, SMOKE	1 1.3G		1		0 E0	P135		MP23					1	W2		CW1	1.3G
0488	AMMUNITION, PRACTICE	1 1.3G		1		0 E0	P130 LP101	PP67 L1	MP23					1	W2		CW1	1.3G
0489	DINITROGLYCEROL (DINGU)	1 1.1D		1 (+13)		0 E0	P112b P112c		MP20					1	W2 W3		CW1	1.1D
0490	NITROTRIAZOLONE (NTO)	1 1.1D		1 (+13)		0 E0	P112b P112c		MP20					1	W2 W3		CW1	1.1D
0491	CHARGES, PROPELLING	1 1.4C		1.4		0 E0	P143	PP78	MP22					2	W2		CW1	1.4C
0492	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1 1.3G		1		0 E0	P135		MP23					1	W2		CW1	1.3G
0493	SIGNALS, RAILWAY TRACK, EXPLOSIVE	1 1.4G		1.4		0 E0	P135		MP23					2	W2		CW1	1.4G
0494	JET PERFORATING GUNS, CHARGED, oil well, without detonator	1 1.4D		1.4		0 E0	P101		MP21					2	W2		CW1	1.4D
0495	PROPELLANT, LIQUID	1 1.3C		1 (+13)	224	0 E0	P115	PP53 PP54 PP57 PP58	MP20					1	W2		CW1	1.3C
0496	OCTONAL	1 1.1D		1 (+13)		0 E0	P112b P112c		MP20					1	W2 W3		CW1	1.1D
0497	PROPELLANT, LIQUID	1 1.1C		1 (+13)	224	0 E0	P115	PP53 PP54 PP57 PP58	MP20					1	W2		CW1	1.1C
0498	PROPELLANT, SOLID	1 1.1C		1 (+13)		0 E0	P114b		MP20					1	W2		CW1	1.1C
0499	PROPELLANT, SOLID	1 1.3C		1 (+13)		0 E0	P114b		MP20					1	W2		CW1	1.3C
0500	DETONATOR ASSEMBLIES, NON- ELECTRIC for blasting	1 1.4S		1.4	347	0 E0	P131		MP23					4	W2		CW1	1.4S
0501	PROPELLANT, SOLID	1 1.4C		1.4		0 E0	P114b		MP20					2	W2		CW1	1.4C
0502	ROCKETS with inert head	1 1.2C		1		0 E0	P130 LP101	PP67 L1	MP22					1	W2		CW1	1.2C

3.2-A-21

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
0503	AIR BAG INFLATORS or AIR BAG MODULES or SEAT-BELT PRETENSIONERS	1	1.4G		1.4	235 289	0 E0	P135		MP23					2	W2		CW1		1.4G
0504	1H-TETRAZOLE	1	1.1D		1 (+13)		0 E0	P112c	PP48	MP20					1	W2		CW1		1.1D
0505	SIGNALS, DISTRESS, ship	1	1.4G		1.4		0 E0	P135		MP23					2	W2		CW1		1.4G
0506	SIGNALS, DISTRESS, ship	1	1.4S		1.4		0 E0	P135		MP23					4	W2		CW1	CE1	1.4S
0507	SIGNALS, SMOKE	1	1.4S		1.4		0 E0	P135		MP24					4	W2		CW1	CE1	1.4S
0508	1-HYDROXY-BENZOTRIAZOLE, ANHYDROUS, dry or wetted with less than 20% water, by mass	1	1.3C		1 (+13)		0 E0	P114b	PP48 PP50	MP20					1	W2 W3		CW1		1.3C
0509	POWDER, SMOKELESS	1	1.4C		1.4		0 E0	P114b	PP48	MP20					2	W2		CW1		1.4C
1001	ACETYLENE, DISSOLVED	2	4F		2.1 (+13)		0 E0	P200		MP9			PxBN(M)	TU17 TU38 TE22 TA4 TT9	2			CW9 CW10 CW36	CE2	239
1002	AIR, COMPRESSED	2	1A		2.2 (+13)	655	120 ml	P200		MP9	(M)		CxBN(M)	TA4 TT9	3			CW9 CW10	CE3	20
1003	AIR, REFRIGERATED LIQUID	2	3O		2.2+5.1 (+13)		0 E0	P203		MP9	TP5 TP22		RxBN	TU7 TU19 TA4 TT9 TM6	3	W5		CW9 CW11 CW30 CW36	CE2	225
1005	AMMONIA, ANHYDROUS	2	2TC		2.3+8 (+13)	23	0 E0	P200		MP9	TS0 (M)		PxBH(M)	TU38 TE22 TE25 TA4 TT8 TT9 TM6	1			CW9 CW10 CW36		268
1006	ARGON, COMPRESSED	2	1A		2.2 (+13)	653	120 ml	P200		MP9	(M)		CxBN(M)	TA4 TT9	3			CW9 CW10 CW36	CE3	20

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1008	BORON TRIFLUORIDE	2	2TC		2.3+8 (+13)		0 E0	P200		MP9	(M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TT10 TM6	1			CW9 CW10 CW36		268
1009	BROMOTRIFLUOROMETHANE (REFRIGERANT GAS R 13B1)	2	2A		2.2 (+13)		120 ml	P200		MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1010	BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, having a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l	2	2F		2.1 (+13)	618	0 E0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	239
1011	BUTANE	2	2F		2.1 (+13)	657 660	0 E0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1012	BUTYLENES MIXTURE or 1-BUTYLENE or cis-2-BUTYLENE or trans-2-BUTYLENE	2	2F		2.1 (+13)		0 E0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1013	CARBON DIOXIDE	2	2A		2.2 (+13)	584 653	120 ml	P200		MP9	(M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1016	CARBON MONOXIDE, COMPRESSED	2	1TF		2.3+2.1 (+13)		0 E0	P200		MP9	(M)		CxBH(M)	TU38 TE22 TE25 TA4 TT9	1			CW9 CW10 CW36		263

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1017	CHLORINE	2	2 TOC		2.3+5.1+8 (+13)		0	E0	P200	MP9	T50 (M)	TP19	P22DH(M)	TU38 TE22 TE25 TA4 TT9 TT10 TM6	1			CW9 CW10 CW36		265
1018	CHLORODIFLUOROMETHANE (REFRIGERANT GAS R 22)	2	2A		2.2 (+13)		120 ml	E1	P200	MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1020	CHLOROPENTAFLUOROETHANE (REFRIGERANT GAS R 115)	2	2A		2.2 (+13)		120 ml	E1	P200	MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1021	1-CHLORO-1,2,2,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 124)	2	2A		2.2 (+13)		120 ml	E1	P200	MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1022	CHLOROTRIFLUOROMETHANE (REFRIGERANT GAS R 13)	2	2A		2.2 (+13)		120 ml	E1	P200	MP9	(M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1023	COAL GAS, COMPRESSED	2	1TF		2.3+2.1 (+13)		0	E0	P200	MP9	(M)		CxBH(M)	TU38 TE22 TE25 TA4 TT9	1			CW9 CW10 CW36		263
1026	CYANOGEN	2	2TF		2.3+2.1 (+13)		0	E0	P200	MP9	(M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9	1			CW9 CW10 CW36		263
1027	CYCLOPROPANE	2	2F		2.1 (+13)		0	E0	P200	MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5, 6.9.4	1.1.3.(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1028	DICHLORODIFLUOROMETHANE (REFRIGERANT GAS R 12)	2	2A		2.2 (+13)		120 ml	P200		MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1029	DICHLOROFLUOROMETHANE (REFRIGERANT GAS R 21)	2	2A		2.2 (+13)		120 ml	P200		MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1030	1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)	2	2F		2.1 (+13)		0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1032	DIMETHYLAMINE, ANHYDROUS	2	2F		2.1 (+13)		0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1033	DIMETHYLETHER	2	2F		2.1 (+13)		0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1035	ETHANE	2	2F		2.1 (+13)		0	P200		MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1036	ETHYLAMINE	2	2F		2.1 (+13)		0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1037	ETHYL CHLORIDE	2	2F		2.1 (+13)		0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1038	ETHYLENE, REFRIGERATED LIQUID	2	3F		2.1 (+13)		0 E0	P203		MP9	T75	TP5	RxBN	TU18 TU38 TE22 TA4 TT9 TM6	2	W5		CW9 CW11 CW30 CW36	CE2	223
1039	ETHYL METHYL ETHER	2	2F		2.1 (+13)		0 E0	P200		MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1040	ETHYLENE OXIDE	2	2TF		2.3+2.1	342	0 E0	P200		MP9	(M)				1			CW9 CW10 CW36		263
1040	ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50 °C	2	2TF		2.3+2.1 (+13)	342	0 E0	P200		MP9	T50 (M)	TP20	PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		263
1041	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than 87% ethylene oxide	2	2F		2.1 (+13)		0 E0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	239
1043	FERTILIZER AMMONIATING SOLUTION with free ammonia	2			2.2	642														
1044	FIRE EXTINGUISHERS with compressed or liquefied gas	2	6A		2.2	225 594	120 E0	P003		MP9					3			CW9	CE2	20
1045	FLUORINE, COMPRESSED	2	1TOC		2.3+5.1+8		0 E0	P200		MP9					1			CW9 CW10 CW36		265
1046	HELIUM, COMPRESSED	2	1A		2.2 (+13)	653	120 E1	P200		MP9	(M)		CxBN(M)	TA4 TT9	3			CW9 CW10 CW36	CE3	20

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging				Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage				Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions	Packages		Bulk	Loading, unloading and handling				
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)		7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)		
1048	HYDROGEN BROMIDE, ANHYDROUS	2	2TC		2.3+8 (+13)		0 E0	P200		MP9	(M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TT10 TM6	1				CW9 CW10 CW36		268	
1049	HYDROGEN, COMPRESSED	2	1F		2.1 (+13)	660	0 E0	P200		MP9	(M)		CxBN(M)	TU38 TE22 TA4 TT9	2				CW9 CW10 CW36	CE3	23	
1050	HYDROGEN CHLORIDE, ANHYDROUS	2	2TC		2.3+8 (+13)		0 E0	P200		MP9	(M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TT10 TM6	1				CW9 CW10 CW36		268	
1051	HYDROGEN CYANIDE, STABILIZED containing less than 3% water	6.1	TF1	I	6.1+3	603	0 E5	P200		MP2					0				CW13 CW28 CW31		663	
1052	HYDROGEN FLUORIDE, ANHYDROUS	8	CT1	I	8+6.1		0 E0	P200		MP2	T10	TP2	L21DH(+)	TU14 TU34 TU38 TC1 TE17 TE21 TE22 TE25 TA4 TT4 TT9 TM3	1				CW13 CW28 CW34		886	

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging				Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5	1.1.3.10		7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	2.2	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)		(16)	(17)	(18)	(19)	(20)
1053	HYDROGEN SULPHIDE	2	2TF		2.3+2.1 (+13)		0 E0	P200		MP9	(M)		PxDH(M)	TU38 TE22 TE25 TA4 TT9 TT10 TM6	1				CW9 CW10 CW36		263
1055	ISOBUTYLENE	2	2F		2.1 (+13)		0 E0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2				CW9 CW10 CW36	CE3	23
1056	KRYPTON, COMPRESSED	2	1A		2.2 (+13)		120 ml	P200		MP9	(M)		CxBN(M)	TA4 TT9	3				CW9 CW10 CW36	CE3	20
1057	LIGHTERS or LIGHTER REFILLS containing flammable gas	2	6F		2.1	201 654 658	0 E0	P002	PP84 RR5	MP9					2				CW9	CE2	23
1058	LIQUEFIED GASES, non-flammable, charged with nitrogen, carbon dioxide or air	2	2A		2.2 (+13)		120 ml	P200		MP9	(M)		PxBN(M)	TA4 TT9 TM6	3				CW9 CW10 CW36	CE3	20
1060	METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED such as mixture P1 or mixture P2	2	2F		2.1 (+13)	581	0 E0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2				CW9 CW10 CW36	CE3	239
1061	METHYLAMINE, ANHYDROUS	2	2F		2.1 (+13)		0 E0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2				CW9 CW10 CW36	CE3	23
1062	METHYL BROMIDE with not more than 2% chloropicrin	2	2T		2.3 (+13)	23	0 E0	P200		MP9	T50 (M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1				CW9 CW10 CW36		26

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)		(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1063	METHYL CHLORIDE (REFRIGERANT GAS R 40)	2	2F		2.1 (+13)		0	E0	P200	MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1064	METHYL MERCAPTAN	2	2TF		2.3+2.1 (+13)		0	E0	P200	MP9	T50 (M)		PxDH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		263
1065	NEON, COMPRESSED	2	1A		2.2 (+13)		120 ml	E1	P200	MP9	(M)		CxBN(M)	TA4 TT9	3			CW9 CW10 CW36	CE3	20
1066	NITROGEN, COMPRESSED	2	1A		2.2 (+13)	653	120 ml	E1	P200	MP9	(M)		CxBN(M)	TA4 TT9	3			CW9 CW10 CW36	CE3	20
1067	DINITROGEN TETROXIDE (NITROGEN DIOXIDE)	2	2TOC		2.3+5.1+8 (+13)		0	E0	P200	MP9	T50	TP21	PxBH(M)	TU17 TU38 TE22 TA4 TT9	1			CW9 CW10 CW36		265
1069	NITROSYL CHLORIDE	2	2TC		2.3+8		0	E0	P200	MP9					1			CW9 CW10 CW36		268
1070	NITROUS OXIDE	2	2O		2.2+5.1 (+13)	584	0	E0	P200	MP9	(M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	25
1071	OIL GAS, COMPRESSED	2	1TF		2.3+2.1 (+13)		0	E0	P200	MP9	(M)		CxBH(M)	TU38 TE22 TE25 TA4 TT9	1			CW9 CW10 CW36		263
1072	OXYGEN, COMPRESSED	2	1O		2.2+5.1 (+13)	355 655	0	E0	P200	MP9	(M)		CxBN(M)	TA4 TT9	3			CW9 CW10 CW36	CE3	25

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1073	OXYGEN, REFRIGERATED LIQUID	2	30		2.2(+5.1 (+13)		0 E0	P203		MP9	T75	TP5 TP22	RxBN	TU7 TU19 TA4 TT9 TM6	3	W5		CW9 CW11 CW30 CW36	CE2	225
1075	PETROLEUM GASES, LIQUEFIED	2	2F		2.1 (+13)	274 583 639 660	0 E0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1076	PHOSGENE	2	2TC		2.3+8 (+13)		0 E0	P200		MP9			P22DH(M)	TU17 TU38 TE22 TA4 TT9	1			CW9 CW10 CW36		268
1077	PROPYLENE	2	2F		2.1 (+13)		0 E0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1078	REFRIGERANT GAS, N.O.S., such as mixture F1, mixture F2 or mixture F3	2	2A		2.2 (+13)	274 582	120 ml	P200		MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1079	SULPHUR DIOXIDE	2	2TC		2.3+8 (+13)		0 E0	P200		MP9	T50 (M)	TP19	PxDH(M)	TU38 TE22 TA4 TT9 TT10 TM6	1			CW9 CW10 CW36		268
1080	SULPHUR HEXAFLUORIDE	2	2A		2.2 (+13)		120 ml	P200		MP9	(M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Collis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)	
1081	TETRAFLUOROETHYLENE, STABILIZED	2	2F		2.1		0 E0	P200		MP9	(M)		PxBN(M)	TU38 TU40 TE22 TE25 TA4 TT9 TM6	2			CW9 CW10 CW36	239	
1082	TRIFLUOROCHLOROETHYLENE, STABILIZED	2	2TF		2.3+2.1 (+13)		0 E0	P200		MP9	(M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36	263	
1083	TRIMETHYLAMINE, ANHYDROUS	2	2F		2.1 (+13)		0 E0	P200		MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	23	
1085	VINYL BROMIDE, STABILIZED	2	2F		2.1 (+13)		0 E0	P200		MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	239	
1086	VINYL CHLORIDE, STABILIZED	2	2F		2.1 (+13)		0 E0	P200		MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	239	
1087	VINYL METHYL ETHER, STABILIZED	2	2F		2.1 (+13)		0 E0	P200		MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	239	
1088	ACETAL	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1089	ACETALDEHYDE	3	F1	I	3		0 E3	P001		MP7	T11	TP2	L4BN	TU8	1					33

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1090	ACETONE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1091	ACETONE OILS	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1 TP8	LGBF		2				CE7	33
1092	ACROLEIN, STABILIZED	6.1	TF1	I	6.1+3	354	0 E0	P601		MP8 MP17	T22	TP2 TP7 TP35	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
1093	ACRYLONITRILE, STABILIZED	3	FT1	I	3+6.1		0 E0	P001		MP7 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
1098	ALLYL ALCOHOL	6.1	TF1	I	6.1+3	354	0 E0	P602		MP8 MP17	T20	TP2 TP35	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
1099	ALLYL BROMIDE	3	FT1	I	3+6.1		0 E0	P001		MP7 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
1100	ALLYL CHLORIDE	3	FT1	I	3+6.1		0 E0	P001		MP7 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
1104	AMYL ACETATES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1105	PENTANOLS	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1 TP29	LGBF		2				CE7	33
1105	PENTANOLS	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1106	AMYLAMINE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338
1106	AMYLAMINE	3	FC	III	3+8		5 L E1	P001 IBC03 R001		MP19	T4	TP1	L4BN		3	W12			CE4	38
1107	AMYL CHLORIDE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1108	1-PENTENE (n-AMYLENE)	3	F1	I	3		0 E3	P001		MP7 MP17	T11	TP2	L4BN		1					33
1109	AMYL FORMATES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1110	n-AMYL METHYL KETONE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1111	AMYL MERCAPTAN	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1112	AMYL NITRATE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1113	AMYL NITRITE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
(1)	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1114	BENZENE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1120	BUTANOLS	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1 TP29	LGBF		2				CE7	33
1120	BUTANOLS	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1123	BUTYL ACETATES	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1123	BUTYL ACETATES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1125	n-BUTYLAMINE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338
1126	1-BROMOBUTANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1127	CHLOROBUTANES	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1128	n-BUTYL FORMATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1129	BUTYRALDEHYDE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1130	CAMPHOR OIL	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils (express parcels)	Hazard identification No.	
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling			
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.16	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)	
1131	CARBON DISULPHIDE	3	FT1	I	3+6.1		0	P001	PP31	MP7 MP17	T14	TP2 TP7	L10CH	TU14 TU15 TU38 TE21 TE22	1				CW13 CW28		336
1133	ADHESIVES containing flammable liquid	3	F1	I	3		500 ml	P001		MP7 MP17	T11	TP1 TP8 TP27	L4BN		1						33
1133	ADHESIVES containing flammable liquid (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	640C	5 L	P001	PP1	MP19	T4	TP1 TP8	L1.5BN		2				CE7		33
1133	ADHESIVES containing flammable liquid (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	640D	5 L	P001 IBC02 R001	PP1	MP19	T4	TP1 TP8	LGBF		2				CE7		33
1133	ADHESIVES containing flammable liquid	3	F1	III	3	640E	5 L	P001 IBC03 LP01 R001	PP1	MP19	T2	TP1	LGBF		3	W12			CE4		30
1133	ADHESIVES containing flammable liquid (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	640F	5 L	P001 LP01 R001	PP1	MP19	T2	TP1	L4BN		3				CE4		33
1133	ADHESIVES containing flammable liquid (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C)	3	F1	III	3	640G	5 L	P001 LP01 R001	PP1	MP19	T2	TP1	L1.5BN		3				CE4		33
1133	ADHESIVES containing flammable liquid (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	640H	5 L	P001 IBC02 LP01 R001	PP1	MP19	T2	TP1	LGBF		3				CE4		33
1134	CHLOROBENZENE	3	F1	III	3		5 L	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4		30

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1135	ETHYLENE CHLOROHYDRIN	6.1	TF1	I	6.1+3	354	0	P602		MP8 MP17	T20	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
1136	COAL TAR DISTILLATES, FLAMMABLE	3	F1	II	3		1 L	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1136	COAL TAR DISTILLATES, FLAMMABLE	3	F1	III	3		5 L	P001 IBC03 LP01 R001		MP19	T4	TP1 TP29	LGBF		3	W12			CE4	30
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining)	3	F1	I	3		500 ml	P001		MP7 MP17	T11	TP1 TP8 TP27	L4BN		1					33
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining) (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	640C	5 L	P001		MP19	T4	TP1 TP8	L1.5BN		2				CE7	33
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	640D	5 L	P001 IBC02 R001		MP19	T4	TP1 TP8	LGBF		2				CE7	33
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining)	3	F1	III	3	640E	5 L	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining) (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	640F	5 L	P001 LP01 R001		MP19	T2	TP1	L4BN		3				CE4	33

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining) (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C)	3	F1	III	3	640G	5 L E1	P001 LP01 R001		MP19	T2	TP1	L1.5BN		3				CE4	33
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining) (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	640H	5 L E1	P001 IBC02 LP01 R001		MP19	T2	TP1	LGBF		3				CE4	33
1143	CROTONALDEHYDE or CROTONALDEHYDE, STABILIZED	6.1	TF1	I	6.1+3	324 354	0 E0	P602		MP8 MP17	T20	TP2 TP35	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
1144	CROTONYLENE	3	F1	I	3		0 E3	P001		MP7 MP17	T11	TP2	L4BN		1					339
1145	CYCLOHEXANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1146	CYCLOPENTANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T7	TP1	LGBF		2				CE7	33
1147	DECAHYDRO-NAPHTHALENE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1148	DIACETONE ALCOHOL	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
1148	DIACETONE ALCOHOL	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4 30
1149	DIBUTYL ETHERS	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4 30
1150	1,2-DICHLOROETHYLENE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T7	TP2	LGBF		2				CE7 33
1152	DICHLOROPENTANES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4 30
1153	ETHYLENE GLYCOL DIETHYL ETHER	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7 33
1153	ETHYLENE GLYCOL DIETHYL ETHER	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4 30
1154	DIETHYLAMINE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7 338
1155	DIETHYL ETHER (ETHYL ETHER)	3	F1	I	3		0 E3	P001		MP7 MP17	T11	TP2	L4BN		1				33
1156	DIETHYL KETONE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7 33
1157	DIISOBUTYL KETONE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4 30
1158	DIISOPROPYLAMINE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7 338

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)
1159	DIISOPROPYL ETHER	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1160	DIMETHYLAMINE AQUEOUS SOLUTION	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338
1161	DIMETHYL CARBONATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1162	DIMETHYLDICHLOROSILANE	3	FC	II	3+8		0 E0	P010		MP19	T10	TP2 TP7	L4BH		2				CE7	X338
1163	DIMETHYLHYDRAZINE, UNSYMMETRICAL	6.1	TFC	I	6.1+3+8	354	0 E0	P602		MP8 MP17	T20 TP35	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
1164	DIMETHYL SULPHIDE	3	F1	II	3		1 L E2	P001 IBC02	B8	MP19	T7	TP2	L1.5BN		2				CE7	33
1165	DIOXANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1166	DIOXOLANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1167	DIVINYLETHER, STABILIZED	3	F1	I	3		0 E3	P001		MP7 MP17	T11	TP2	L4BN		1					339
1169	EXTRACTS, AROMATIC, LIQUID (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	601 640C	5 L E2	P001		MP19	T4	TP1 TP8	L1.5BN		2				CE7	33
1169	EXTRACTS, AROMATIC, LIQUID (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	601 640D	5 L E2	P001 IBC02 R001		MP19	T4	TP1 TP8	LGBF		2				CE7	33
1169	EXTRACTS, AROMATIC, LIQUID	3	F1	III	3	601 640E	5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1169	EXTRACTS, AROMATIC, LIQUID (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	601 640F	5 L E1	P001 LP01 R001		MP19	T2	TP1	L4BN		3				CE4	33
1169	EXTRACTS, AROMATIC, LIQUID (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C)	3	F1	III	3	601 640G	5 L E1	P001 LP01 R001		MP19	T2	TP1	L1.5BN		3				CE4	33
1169	EXTRACTS, AROMATIC, LIQUID (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	601 640H	5 L E1	P001 IBC02 LP01 R001		MP19	T2	TP1	LGBF		3				CE4	33
1170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3	F1	II	3	144 601	1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1170	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3	F1	III	3	144 601	5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1171	ETHYLENE GLYCOL MONOETHYL ETHER	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1172	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1173	ETHYL ACETATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1175	ETHYLBENZENE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1176	ETHYL BORATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2		2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1e	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1177	2-ETHYLBUTYL ACETATE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1178	2-ETHYLBUTYRALDEHYDE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1179	ETHYL BUTYL ETHER	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1180	ETHYL BUTYRATE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1181	ETHYL CHLOROACETATE	6.1	TF1	II	6.1+3		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	63
1182	ETHYL CHLOROFORMATE	6.1	TFC	I	6.1+3+8	354	0 E0	P602		MP8 MP17	T20	TP2 TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
1183	ETHYLDICHLOROSILANE	4.3	WFC	I	4.3+3+8		0 E0	P401	RR7	MP2	T14	TP2 TP7	L10DH	TU14 TU23 TU38 TE21 TE22 TM2 TM3	0	W1		CW23		X338
1184	ETHYLENE DICHLORIDE	3	FT1	II	3+6.1		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH	TU15	2			CW13 CW28	CE7	336
1185	ETHYLENEIMINE, STABILIZED	6.1	TF1	I	6.1+3	354	0 E0	P601		MP2	T22	TP2	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Collis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1188	ETHYLENE GLYCOL MONOMETHYL ETHER	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001	MP19	T2	TP1	LGBF		3	W12			CE4	30
1189	ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001	MP19	T2	TP1	LGBF		3	W12			CE4	30
1190	ETHYL FORMATE	3	F1	II	3		1 L	E2	P001 IBC02 R001	MP19	T4	TP1	LGBF		2				CE7	33
1191	OCTYL ALDEHYDES	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001	MP19	T2	TP1	LGBF		3	W12			CE4	30
1192	ETHYL LACTATE	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001	MP19	T2	TP1	LGBF		3	W12			CE4	30
1193	ETHYL METHYL KETONE (METHYL ETHYL KETONE)	3	F1	II	3		1 L	E2	P001 IBC02 R001	MP19	T4	TP1	LGBF		2				CE7	33
1194	ETHYL NITRITE SOLUTION	3	FT1	I	3+6.1		0	E0	P001	MP7 MP17			L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
1195	ETHYL PROPIONATE	3	F1	II	3		1 L	E2	P001 IBC02 R001	MP19	T4	TP1	LGBF		2				CE7	33
1196	ETHYL TRICHLOROSILANE	3	FC	II	3+8		0	E0	P010	MP19	T10	TP2 TP7	L4BH		2				CE7	X338
1197	EXTRACTS, FLAVOURING, LIQUID (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	601 640C	5 L	E2	P001	MP19	T4	TP1 TP8	L1.5BN		2				CE7	33

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)
1197	EXTRACTS, FLAVOURING, LIQUID (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	601 640D	5 L E2	P001 IBC02 R001		MP19	T4	TP1 TP8	LGBF		2				CE7	33
1197	EXTRACTS, FLAVOURING, LIQUID	3	F1	III	3	601 640E	5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1197	EXTRACTS, FLAVOURING, LIQUID (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	601 640F	5 L E1	P001 LP01 R001		MP19	T2	TP1	L4BN		3				CE4	33
1197	EXTRACTS, FLAVOURING, LIQUID (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C)	3	F1	III	3	601 640G	5 L E1	P001 LP01 R001		MP19	T2	TP1	L1.5BN		3				CE4	33
1197	EXTRACTS, FLAVOURING, LIQUID (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	601 640H	5 L E1	P001 IBC02 LP01 R001		MP19	T2	TP1	LGBF		3				CE4	33
1198	FORMALDEHYDE SOLUTION, FLAMMABLE	3	FC	III	3+8		5 L E1	P001 IBC03 R001		MP19	T4	TP1	L4BN		3	W12			CE4	38
1199	FURALDEHYDES	6.1	TF1	II	6.1+3		100 ml E4	P001 IBC02 R001		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	63
1201	FUSEL OIL	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1201	FUSEL OIL	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1202	GAS OIL or DIESEL FUEL or HEATING OIL, LIGHT (flash-point not more than 60 °C)	3	F1	III	3	363 640K	5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1e	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1202	DIESEL FUEL complying with standard EN 590:2004 or GAS OIL or HEATING OIL, LIGHT with a flash-point as specified in EN 590:2004	3	F1	III	3	363 640L	5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1202	GAS OIL or DIESEL FUEL or HEATING OIL, LIGHT (flash-point more than 60 °C and not more than 100 °C)	3	F1	III	3	363 640M	5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBV		3	W12			CE4	30
1203	MOTOR SPIRIT or GASOLINE or PETROL	3	F1	II	3	243 363 534	1 L E2	P001 IBC02 R001	BB2	MP19	T4	TP1	LGBF	TU9	2				CE7	33
1204	NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin	3	D	II	3	601	1 L E0	P001 IBC02	PP5	MP2					2				CE7	33
1206	HEPTANES	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1207	HEXALDEHYDE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1208	HEXANES	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	3	F1	I	3	163	500 ml E3	P001		MP7 MP17	T11 TP8	TP1 TP8	L4BN		1					33
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	163 640C	5 L E2	P001	PP1	MP19	T4	TP1 TP8	L1.5BN		2				CE7	33

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1.6	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	163 640D	5 L E2	P001 IBC02 R001	PP1	MP19	T4	TP1 TP8	LGBF		2				CE7	33
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	3	F1	III	3	163 640E	5 L E1	P001 IBC03 LP01 R001	PP1	MP19	T2	TP1	LGBF		3	W12			CE4	30
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	163 640F	5 L E1	P001 LP01 R001	PP1	MP19	T2	TP1	L4BN		3				CE4	33
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C)	3	F1	III	3	163 640G	5 L E1	P001 LP01 R001	PP1	MP19	T2	TP1	L1.5BN		3				CE4	33
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	163 640H	5 L E1	P001 IBC02 LP01 R001	PP1	MP19	T2	TP1	LGBF		3				CE4	33
1212	ISOBUTANOL (ISOBUTYL ALCOHOL)	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging				Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions	Packages		Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)	
1213	ISOBUTYL ACETATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33	
1214	ISOBUTYLAMINE	3	FC	II	3+8		1 L E2	P001 IBC02 R001		MP19	T7	TP1	L4BH		2				CE7	338	
1216	ISOCTENES	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33	
1218	ISOPRENE, STABILIZED	3	F1	I	3		0 E3	P001		MP7 MP17	T11	TP2	L4BN		1					339	
1219	ISOPROPANOL (ISOPROPYL ALCOHOL)	3	F1	II	3	601	1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33	
1220	ISOPROPYL ACETATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33	
1221	ISOPROPYLAMINE	3	FC	I	3+8		0 E0	P001		MP7 MP17	T11	TP2	L10CH	TU14 TU38 TE21 TE22	1					338	
1222	ISOPROPYL NITRATE	3	F1	II	3		1 L E2	P001 IBC02 R001	B7	MP19					2				CE7	33	
1223	KEROSENE	3	F1	III	3	363	5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP2	LGBF		3	W12			CE4	30	
1224	KETONES, LIQUID, N.O.S. (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	274 640C	1 L E2	P001		MP19	T7	TP1 TP8 TP28	L1.5BN		2				CE7	33	
1224	KETONES, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	274 640D	1 L E2	P001 IBC02 R001		MP19	T7	TP1 TP8 TP28	LGBF		2				CE7	33	
1224	KETONES, LIQUID, N.O.S.	3	F1	III	3	274	5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP29	LGBF		3	W12			CE4	30	

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1228	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	FT1	II	3+6.1	274	1 L E2	P001 IBC02		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	CE7	336
1228	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	FT1	III	3+6.1	274	5 L E1	P001 IBC03 R001		MP19	T7	TP1 TP28	L4BH	TU15	3	W12		CW13 CW28	CE4	36
1229	MESITYL OXIDE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1230	METHANOL	3	FT1	II	3+6.1	279	1 L E2	P001 IBC02		MP19	T7	TP2	L4BH	TU15	2			CW13 CW28	CE7	336
1231	METHYL ACETATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1233	METHYLAMYL ACETATE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1234	METHYLAL	3	F1	II	3		1 L E2	P001 IBC02	B8	MP19	T7	TP2	L1.5BN		2				CE7	33
1235	METHYLAMINE, AQUEOUS SOLUTION	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338
1237	METHYL BUTYRATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1238	METHYL CHLOROFORMATE	6.1	TFC	I	6.1+3+8	354	0 E0	P602		MP8 MP17	T22	TP2 TP35	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
1239	METHYL CHLOROMETHYL ETHER	6.1	TF1	I	6.1+3	354	0 E0	P602		MP8 MP17	T22	TP2 TP35	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	663
1242	METHYLDICHLOROSILANE	4.3	WFC	I	4.3+3+8		0 E0	P401	RR7	MP2	T14	TP2 TP7	L10DH	TU14 TU24 TU38 TE21 TE22 TM2 TM3	0	W1		CW23	X338
1243	METHYL FORMATE	3	F1	I	3		0 E3	P001		MP7 MP17	T11	TP2	L4BN		1				33
1244	METHYLHYDRAZINE	6.1	TFC	I	6.1+3+8	354	0 E0	P602		MP8 MP17	T22	TP2 TP35	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	663
1245	METHYL ISOBUTYL KETONE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				33
1246	METHYL ISOPROPENYL KETONE, STABILIZED	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				339
1247	METHYL METHACRYLATE MONOMER, STABILIZED	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				339
1248	METHYL PROPIONATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				33
1249	METHYL PROPYL KETONE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				33
1250	METHYLTRICHLOROSILANE	3	FC	II	3+8		0 E0	P010		MP19	T10	TP2 TP7	L4BH		2				X338

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging				Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions	Packages		Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)	
1251	METHYL VINYL KETONE, STABILIZED	6.1	TFC	I	6.1+3+8	354	0	E0	P601	RR7	MP8 MP17	TP2 TP37	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		639	
1259	NICKEL CARBONYL	6.1	TF1	I	6.1+3		0	E5	P601	MP2			L15CH	TU14 TU15 TU31 TU38 TE21 TE22 TE25 TM3	1			CW13 CW28 CW31		663	
1261	NITROMETHANE	3	F1	II	3		1 L	E2	P001 R001	RR2	MP19				2				CE7	33	
1262	OCTANES	3	F1	II	3		1 L	E2	P001 IBC02 R001		MP19	T4 TP1	LGBF		2				CE7	33	
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)	3	F1	I	3	163 650	500 ml	E3	P001		MP7 MP17	TP1 TP8 TP27	L4BN		1					33	
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	163 640C 650	5 L	E2	P001	PP1	MP19	T4 TP8 TP28	L1.5BN		2				CE7	33	
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	163 640D 650	5 L	E2	P001 IBC02 R001	PP1	MP19	T4 TP8 TP28	LGBF		2				CE7	33	

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)	3	F1	III	3	163 640E 650	5 L E1	P001 IBC03 LP01 R001	PP1	MP19	T2	TP1 TP29	LGBF		3	W12			CE4	30
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	163 640F 650	5 L E1	P001 LP01 R001	PP1	MP19	T2	TP1 TP29	L4BN		3				CE4	33
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C)	3	F1	III	3	163 640G 650	5 L E1	P001 LP01 R001	PP1	MP19	T2	TP1 TP29	L1.5BN		3				CE4	33
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	163 640H 650	5 L E1	P001 IBC02 LP01 R001	PP1	MP19	T2	TP1 TP29	LGBF		3				CE4	33
1264	PARALDEHYDE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1265	PENTANES, liquid	3	F1	I	3		0 E3	P001		MP7 MP17	T11	TP2	L4BN		1					33

UN No.	Name and description:	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging				Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions	Packages		Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)	
1265	PENTANES, liquid	3	F1	II	3		1 L E2	P001 IBC02	B8	MP19	T4	TP1	L1.5BN		2				CE7	33	
1266	PERFUMERY PRODUCTS with flammable solvents (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	163 640C	5 L E2	P001		MP19	T4	TP1 TP8	L1.5BN		2				CE7	33	
1266	PERFUMERY PRODUCTS with flammable solvents (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	163 640D	5 L E2	P001 IBC02 R001		MP19	T4	TP1 TP8	LGBF		2				CE7	33	
1266	PERFUMERY PRODUCTS with flammable solvents	3	F1	III	3	163 640E	5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30	
1266	PERFUMERY PRODUCTS with flammable solvents (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	163 640F	5 L E1	P001 LP01 R001		MP19	T2	TP1	L4BN		3				CE4	33	
1266	PERFUMERY PRODUCTS with flammable solvents (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C)	3	F1	III	3	163 640G	5 L E1	P001 LP01 R001		MP19	T2	TP1	L1.5BN		3				CE4	33	
1266	PERFUMERY PRODUCTS with flammable solvents (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	163 640H	5 L E1	P001 IBC02 LP01 R001		MP19	T2	TP1	LGBF		3				CE4	33	
1267	PETROLEUM CRUDE OIL	3	F1	I	3	357 500 ml	E3	P001		MP7 MP17	T11	TP1 TP8	L4BN		1					33	
1267	PETROLEUM CRUDE OIL (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	357 640C	1 L E2	P001		MP19	T4	TP1 TP8	L1.5BN		2				CE7	33	
1267	PETROLEUM CRUDE OIL (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	357 640D	1 L E2	P001 IBC02 R001		MP19	T4	TP1 TP8	LGBF		2				CE7	33	

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.3.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1267	PETROLEUM CRUDE OIL	3	F1	III	3	357	5 L	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	F1	I	3	363	500 ml	P001		MP7	T11	TP1	L4BN		1					33
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	363 640C	1 L	P001		MP19	T7	TP1 TP8 TP28	L1.5BN		2				CE7	33
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	363 640D	1 L	P001 IBC02 R001		MP19	T7	TP1 TP8 TP28	LGBF		2				CE7	33
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	F1	III	3	363	5 L	P001 IBC03 LP01 R001		MP19	T4	TP1 TP29	LGBF		3	W12			CE4	30
1272	PINE OIL	3	F1	III	3		5 L	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1274	n-PROPANOL (PROPYL ALCOHOL, NORMAL)	3	F1	II	3		1 L	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1274	n-PROPANOL (PROPYL ALCOHOL, NORMAL)	3	F1	III	3		5 L	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1275	PROPIONALDEHYDE	3	F1	II	3		1 L	P001 IBC02 R001		MP19	T7	TP1	LGBF		2				CE7	33
1276	n-PROPYL ACETATE	3	F1	II	3		1 L	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1277	PROPYLAMINE	3	FC	II	3+8		1 L	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1278	1-CHLOROPROPANE	3	F1	II	3		1 L E2	P001 IBC02	B8	MP19	T7	TP2	L1.5BN		2				CE7	33
1279	1,2-DICHLOROPROPANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1280	PROPYLENE OXIDE	3	F1	I	3		0 E3	P001		MP7 MP17	T11 TP7	TP2 TP7	L4BN		1					33
1281	PROPYL FORMATES	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1282	PYRIDINE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP2	LGBF		2				CE7	33
1286	ROSIN OIL (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	640C	5 L E2	P001		MP19	T4	TP1	L1.5BN		2				CE7	33
1286	ROSIN OIL (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	640D	5 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1286	ROSIN OIL	3	F1	III	3	640E	5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1286	ROSIN OIL (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	640F	5 L E1	P001 LP01 R001		MP19	T2	TP1	L4BN		3				CE4	33
1286	ROSIN OIL (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C)	3	F1	III	3	640G	5 L E1	P001 LP01 R001		MP19	T2	TP1	L1.5BN		3				CE4	33
1286	ROSIN OIL (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	640H	5 L E1	P001 IBC02 LP01 R001		MP19	T2	TP1	LGBF		3				CE4	33
1287	RUBBER SOLUTION (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	640C	5 L E2	P001		MP19	T4	TP1 TP8	L1.5BN		2				CE7	33

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 4.2.5.3	4.3	4.3.5, 4.3.6	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1287	RUBBER SOLUTION (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	640D	5 L E2	P001 IBC02 R001		MP19	T4	TP1 TP8	LGBF		2				CE7	33
1287	RUBBER SOLUTION	3	F1	III	3	640E	5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1287	RUBBER SOLUTION (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	640F	5 L E1	P001 LP01 R001		MP19	T2	TP1	L4BN		3				CE4	33
1287	RUBBER SOLUTION (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa, boiling point of more than 35 °C)	3	F1	III	3	640G	5 L E1	P001 LP01 R001		MP19	T2	TP1	L1.5BN		3				CE4	33
1287	RUBBER SOLUTION (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	640H	5 L E1	P001 IBC02 LP01 R001		MP19	T2	TP1	LGBF		3				CE4	33
1288	SHALE OIL	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1 TP8	LGBF		2				CE7	33
1288	SHALE OIL	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1289	SODIUM METHYLATE SOLUTION in alcohol	3	FC	II	3+8		1 L E2	P001 IBC02 R001		MP19	T7	TP1 TP8	L4BH		2				CE7	338
1289	SODIUM METHYLATE SOLUTION in alcohol	3	FC	III	3+8		5 L E1	P001 IBC02 R001		MP19	T4	TP1	L4BN		3				CE4	38
1292	TETRAETHYL SILICATE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5; 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1293	TINCTURES, MEDICINAL	3	F1	II	3	601	1 L E2	P001 IBC02 R001		MP19	T4	TP1 TP8	LGBF		2				CE7	33
1293	TINCTURES, MEDICINAL	3	F1	III	3	601	5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1294	TOLUENE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1295	TRICHLOROSILANE	4.3	WFC	I	4.3+3+8		0 E0	P401	RR7	MP2	T14 TP7	TP2 TP7	L10DH	TU14 TU25 TU38 TE21 TE22 TM2 TM3	0	W1		CW23		X338
1296	TRIETHYLAMINE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	FC	I	3+8		0 E0	P001		MP7 MP17	T11	TP1	L10CH	TU14 TU38 TE21 TE22	1					338
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	FC	III	3+8		5 L E1	P001 IBC03 R001		MP19	T7	TP1	L4BN		3	W12			CE4	38
1298	TRIMETHYLCHLOROSILANE	3	FC	II	3+8		0 E0	P010		MP19	T10 TP7	TP2 TP7	L4BH		2				CE7	X338
1299	TURPENTINE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1300	TURPENTINE SUBSTITUTE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1300	TURPENTINE SUBSTITUTE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1301	VINYL ACETATE, STABILIZED	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	339
1302	VINYL ETHYL ETHER, STABILIZED	3	F1	I	3		0 E3	P001		MP7 MP17	T11	TP2	L4BN		1					339
1303	VINYLDENE CHLORIDE, STABILIZED	3	F1	I	3		0 E3	P001		MP7 MP17	T12	TP2	L4BN		1					339
1304	VINYL ISOBUTYL ETHER, STABILIZED	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	339
1305	VINYLTRICHLOROSILANE	3	FC	II	3+8		0 E0	P010		MP19	T10	TP2	L4BH		2				CE7	X338
1306	WOOD PRESERVATIVES, LIQUID (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	640C	5 L E2	P001		MP19	T4	TP1	L1.5BN		2				CE7	33
1306	WOOD PRESERVATIVES, LIQUID (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	640D	5 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1306	WOOD PRESERVATIVES, LIQUID	3	F1	III	3	640E	5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1306	WOOD PRESERVATIVES, LIQUID (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	640F	5 L E1	P001 LP01 R001		MP19	T2	TP1	L4BN		3				CE4	33

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1306	WOOD PRESERVATIVES, LIQUID (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C)	3	F1	III	3	640G	5 L E1	P001 LP01 R001		MP19	T2	TP1	L1.5BN		3				CE4	33
1306	WOOD PRESERVATIVES, LIQUID (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	640H	5 L E1	P001 IBC02 LP01 R001		MP19	T2	TP1	LGBF		3				CE4	33
1307	XYLENES	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
1307	XYLENES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID	3	F1	I	3		0 E3	P001	PP33	MP7 MP17			L4BN	1						33
1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	640C	1 L E2	P001 R001	PP33	MP19			L1.5BN	2				CE7	33	
1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	640D	1 L E2	P001 R001	PP33	MP19			LGBF	2				CE7	33	
1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID	3	F1	III	3		5 L E1	P001 R001		MP19			LGBF	3				CE4	30	
1309	ALUMINIUM POWDER, COATED	4.1	F3	II	4.1		1 kg E2	P002 IBC08	PP38 B4	MP11	T3	TP33	SGAN	2		W1		CE10	40	
1309	ALUMINIUM POWDER, COATED	4.1	F3	III	4.1		5 kg E1	P002 IBC08 LP02 R001	PP11 B3	MP11	T1	TP33	SGAV	3		W1	VW1	CE11	40	
1310	AMMONIUM PICRATE, WETTED with not less than 10% water, by mass	4.1	D	I	4.1		0 E0	P406	PP26	MP2				1		W1			40	

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.	
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)	
1312	BORNEOL	4.1	F1	III	4.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3	W1	VW1		CE11	40	
1313	CALCIUM RESINATE	4.1	F3	III	4.1		5 kg E1	P002 IBC06 R001		MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40	
1314	CALCIUM RESINATE, FUSED	4.1	F3	III	4.1		5 kg E1	P002 IBC04 R001		MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40	
1318	COBALT RESINATE, PRECIPITATED	4.1	F3	III	4.1		5 kg E1	P002 IBC06 R001		MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40	
1320	DINITROPHENOL, WETTED with not less than 15% water, by mass	4.1	DT	I	4.1+6.1		0 E0	P406	PP26	MP2					1	W1		CW28		46	
1321	DINITROPHENOLATES, WETTED with not less than 15% water, by mass	4.1	DT	I	4.1+6.1		0 E0	P406	PP26	MP2					1	W1		CW28		46	
1322	DINITRORESORCINOL, WETTED with not less than 15% water, by mass	4.1	D	I	4.1		0 E0	P406	PP26	MP2					1	W1				40	
1323	FERROCERIUM	4.1	F3	II	4.1	249	1 kg E2	P002 IBC08	B4	MP11	T3	TP33	SGAN		2	W1			CE10	40	
1324	FILMS, NITROCELLULOSE BASE, gelatin coated, except scrap	4.1	F1	III	4.1		5 kg E1	P002 R001	PP15	MP11					3	W1			CE11	40	
1325	FLAMMABLE SOLID, ORGANIC, N.O.S.	4.1	F1	II	4.1	274	1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN		2	W1			CE10	40	
1325	FLAMMABLE SOLID, ORGANIC, N.O.S.	4.1	F1	III	4.1	274	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3	W1	VW1		CE11	40	
1326	HAFNIUM POWDER, WETTED with not less than 25% water	4.1	F3	II	4.1	586	1 kg E2	P410 IBC06	PP40	MP11	T3	TP33	SGAN		2	W1			CE10	40	
1327	Hay, Straw or Bhusa	4.1	F1							NOT SUBJECT TO RID											
1328	HEXAMETHYLENETETRAMINE	4.1	F1	III	4.1		5 kg E1	P002 IBC08 R001	B3	MP10	T1	TP33	SGAV		3	W1	VW1		CE11	40	

NOT SUBJECT TO RID

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colls express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1330	MANGANESE RESINATE	4.1	F3	III	4.1		5 kg E1	P002 IBC06 R001		MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40
1331	MATCHES, 'STRIKE ANYWHERE'	4.1	F1	III	4.1	293	5 kg E1	P407	PP27	MP12					4	W1			CE11	40
1332	METALDEHYDE	4.1	F1	III	4.1		5 kg E1	IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3	W1	VW1		CE11	40
1333	CERIUM, slabs, ingots or rods	4.1	F3	II	4.1		1 kg E2	P002 IBC08	B4	MP11					2	W1			CE10	40
1334	NAPHTHALENE, CRUDE or NAPHTHALENE, REFINED	4.1	F1	III	4.1	501	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1 BK1 BK2	TP33	SGAV		3	W1	VW2		CE11	40
1336	NITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass	4.1	D	I	4.1		0 E0	P406		MP2					1	W1				40
1337	NITROSTARCH, WETTED with not less than 20% water, by mass	4.1	D	I	4.1		0 E0	P406		MP2					1	W1				40
1338	PHOSPHORUS, AMORPHOUS	4.1	F3	III	4.1		5 kg E1	P410 IBC08 R001	B3	MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40
1339	PHOSPHORUS HEPTASULPHIDE, free from yellow and white phosphorus	4.1	F3	II	4.1	602	1 kg E2	P410 IBC04		MP11	T3	TP33	SGAN		2	W1			CE10	40
1340	PHOSPHORUS PENTASULPHIDE, free from yellow and white phosphorus	4.3	WF2	II	4.3+4.1	602	500 g E2	P410 IBC04		MP14	T3	TP33	SGAN		0	W1		CW23	CE10	423
1341	PHOSPHORUS SESQUISULPHIDE, free from yellow and white phosphorus	4.1	F3	II	4.1	602	1 kg E2	P410 IBC04		MP11	T3	TP33	SGAN		2	W1			CE10	40
1343	PHOSPHORUS TRISULPHIDE, free from yellow and white phosphorus	4.1	F3	II	4.1	602	1 kg E2	P410 IBC04		MP11	T3	TP33	SGAN		2	W1			CE10	40
1344	TRINITROPHENOL (PICRIC ACID), WETTED with not less than 30% water, by mass	4.1	D	I	4.1		0 E0	P406	PP26	MP2					1	W1				40
1345	RUBBER SCRAP or RUBBER SHODDY, powdered or granulated	4.1	F1	II	4.1		1 kg E2	P002 IBC08	B4	MP11	T3	TP33	SGAN		4	W1			CE10	40

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Collis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(8a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1346	SILICON POWDER, AMORPHOUS	4.1	F3	III	4.1	32	5 kg E1	P002	IBC08 LP02 R001	MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40
1347	SILVER PICRATE, WETTED with not less than 30% water, by mass	4.1	D	I	4.1	0	E0	P406	PP25 PP26	MP2					1	W1				40
1348	SODIUM DINITRO-O-CRESOLATE, WETTED with not less than 15% water, by mass	4.1	DT	I	4.1+6.1	0	E0	P406	PP26	MP2					1	W1		CW28		46
1349	SODIUM PICRAMATE, WETTED with not less than 20% water, by mass	4.1	D	I	4.1	0	E0	P406	PP26	MP2					1	W1				40
1350	SULPHUR	4.1	F3	III	4.1	242	5 kg E1	P002	IBC08 LP02 R001	MP11	T1 BK1 BK2	TP33	SGAV		3	W1	VW1		CE11	40
1352	TITANIUM POWDER, WETTED with not less than 25% water	4.1	F3	II	4.1	586	1 kg E2	P410	IBC06 R001	MP11	T3	TP33	SGAN		2	W1			CE10	40
1353	FIBRES or FABRICS IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.	4.1	F1	III	4.1	502	5 kg E1	P410	IBC08 R001	MP11					3	W1			CE11	40
1354	TRINITROBENZENE, WETTED with not less than 30% water, by mass	4.1	D	I	4.1	0	E0	P406		MP2					1	W1				40
1355	TRINITROBENZOIC ACID, WETTED with not less than 30% water, by mass	4.1	D	I	4.1	0	E0	P406		MP2					1	W1				40
1356	TRINITROTOLUENE (TNT), WETTED with not less than 30% water, by mass	4.1	D	I	4.1	0	E0	P406		MP2					1	W1				40
1357	UREA NITRATE, WETTED with not less than 20% water, by mass	4.1	D	I	4.1	227	0	E0	P406	MP2					1	W1				40
1358	ZIRCONIUM POWDER, WETTED with not less than 25% water	4.1	F3	II	4.1	586	1 kg E2	P410	IBC06	MP11	T3	TP33	SGAN		2	W1			CE10	40
1360	CALCIUM PHOSPHIDE	4.3	WT2	I	4.3+6.1	0	E0	P403		MP2					1	W1		CW23 CW28		X462
1361	CARBON, animal or vegetable origin	4.2	S2	II	4.2	0	E2	P002	IBC06	MP12	T3	TP33	SGAN	TU11	2	W1 W13			CE10	40

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Package	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1361	CARBON, animal or vegetable origin	4.2	S2	III	4.2		0 E1	P002 IBC08 LP02 R001	PP12 B3	MP14	T1	TP33	SGAV		4	W1 W13	VW4		CE11	40
1362	CARBON, ACTIVATED	4.2	S2	III	4.2	646	0 E1	P002 IBC08 LP02 R001	PP11 B3	MP14	T1	TP33	SGAV		4	W1	VW4		CE11	40
1363	COPRA	4.2	S2	III	4.2		0 E1	P003 IBC08 LP02 R001	PP20 B3 B6	MP14					3	W1	VW4		CE11	40
1364	COTTON WASTE, OILY	4.2	S2	III	4.2		0 E1	P003 IBC08 LP02 R001	PP19 B3 B6	MP14					3	W1	VW4		CE11	40
1365	COTTON, WET	4.2	S2	III	4.2		0 E1	P003 IBC08 LP02 R001	PP19 B3 B6	MP14					3	W1	VW4		CE11	40
1369	p-NITROSODIMETHYLANILINE	4.2	S2	II	4.2		0 E2	P410 IBC06		MP14	T3	TP33	SGAN		2	W1			CE10	40
1372	Fibres, animal or fibres, vegetable burnt, wet or damp	4.2	S2																	
1373	FIBRES or FABRICS, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S. with oil	4.2	S2	III	4.2		0 E1	P410 IBC08 R001	B3	MP14	T1	TP33			3	W1	VW4		CE11	40
1374	FISH MEAL (FISH SCRAP), UNSTABILIZED	4.2	S2	II	4.2	300	0 E2	P410 IBC08	B4	MP14	T3	TP33			2	W1			CE10	40
1376	IRON OXIDE, SPENT or IRON SPONGE, SPENT obtained from coal gas purification	4.2	S4	III	4.2	592	0 E1	P002 IBC08 LP02 R001	B3	MP14	T1 BK2	TP33	SGAV		3	W1	VW4		CE11	40
1378	METAL CATALYST, WETTED with a visible excess of liquid	4.2	S4	II	4.2	274	0 E2	P410 IBC01	PP39	MP14	T3	TP33	SGAN		2	W1			CE10	40

NOT SUBJECT TO RID

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1379	PAPER, UNSATURATED OIL TREATED, incompletely dried (including carbon paper)	4.2	S2	III	4.2		0 E1	P410 IBC08 R001	B3	MP14					3	W1	VW4		CE11	40
1380	PENTABORANE	4.2	ST3	I	4.2+6.1		0 E0	P601	MP2	MP2			L21DH	TU14 TU38 TC1 TE21 TE22 TE25 TM1	0	W1		CW28		333
1381	PHOSPHORUS, WHITE or YELLOW, UNDER WATER or IN SOLUTION	4.2	ST3	I	4.2+6.1	503	0 E0	P405	MP2	MP2	T9	TP3 TP31	L10DH(+)	TU14 TU16 TU21 TU38 TE3 TE21 TE22	0	W1		CW28		46
1381	PHOSPHORUS, WHITE or YELLOW, DRY	4.2	ST4	I	4.2+6.1	503	0 E0	P405	MP2	MP2	T9	TP3 TP31	L10DH(+)	TU14 TU16 TU21 TU38 TE3 TE21 TE22	0	W1		CW28		46
1382	POTASSIUM SULPHIDE, ANHYDROUS or POTASSIUM SULPHIDE with less than 30% water of crystallization	4.2	S4	II	4.2	504	0 E2	P410 IBC06	MP14	MP14	T3	TP33	SGAN		2	W1			CE10	40
1383	PYROPHORIC METAL, N.O.S. or PYROPHORIC ALLOY, N.O.S.	4.2	S4	I	4.2	274	0 E0	P404	MP13	MP13	T21	TP7 TP33			0	W1				43
1384	SODIUM DITHIONITE (SODIUM HYDROSULPHITE)	4.2	S4	II	4.2		0 E2	P410 IBC06	MP14	MP14	T3	TP33	SGAN		2	W1			CE10	40
1385	SODIUM SULPHIDE, ANHYDROUS or SODIUM SULPHIDE with less than 30% water of crystallization	4.2	S4	II	4.2	504	0 E2	P410 IBC06	MP14	MP14	T3	TP33	SGAN		2	W1			CE10	40

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.					
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provi- sions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling						
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 4.2.5.3, 7.3.2	4.3	4.3.5, 6.8.4	7.2.4	7.3.3	7.5.11	5.3.2.3				
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1386	SEED CAKE with more than 1.5% oil and not more than 11% moisture	4.2	S2	III	4.2		0	E1	PP20 IBC08 LP02 R001	MP14							W1	VW4		CE11	40
1387	Wool waste, wet	4.2	S2																		
1389	ALKALI METAL AMALGAM, LIQUID	4.3	W1	I	4.3	182	0	E0	P402	RR8	MP2		L10BN(+)	TU1 TE5 TT3 TM2		1	W1		CW23		X323
1390	ALKALI METAL AMIDES	4.3	W2	II	4.3	182 505 g	500	E2	P410 IBC07		MP14	T3	TP33	SGAN		0	W1		CW23	CE10	423
1391	ALKALI METAL DISPERSION or ALKALINE EARTH METAL DISPERSION	4.3	W1	I	4.3	182 183 506	0	E0	P402	RR8	MP2		L10BN(+)	TU1 TE5 TT3 TM2		1	W1		CW23		X323
1392	ALKALINE EARTH METAL AMALGAM, LIQUID	4.3	W1	I	4.3	183 506	0	E0	P402		MP2		L10BN(+)	TU1 TE5 TT3 TM2		1	W1		CW23		X323
1393	ALKALINE EARTH METAL ALLOY, N.O.S.	4.3	W2	II	4.3	183 506 g	500	E2	P410 IBC07		MP14	T3	TP33	SGAN		2	W1		CW23	CE7	423
1394	ALUMINIUM CARBIDE	4.3	W2	II	4.3		500 g	E2	P410 IBC07		MP14	T3	TP33	SGAN		2	W1	VW5	CW23	CE10	423
1395	ALUMINIUM FERROSILICON POWDER	4.3	WT2	II	4.3+6.1		500 g	E2	P410 IBC05	PP40	MP14	T3	TP33	SGAN		2	W1		CW23	CE10	462
1396	ALUMINIUM POWDER, UNCOATED	4.3	W2	II	4.3		500 g	E2	P410 IBC07	PP40	MP14	T3	TP33	SGAN		2	W1		CW23	CE10	423
1396	ALUMINIUM POWDER, UNCOATED	4.3	W2	III	4.3		1 kg	E1	P410 IBC08 R001	B4	MP14	T1	TP33	SGAN		3	W1	VW5	CW23	CE11	423
1397	ALUMINIUM PHOSPHIDE	4.3	WT2	I	4.3+6.1	507	0	E0	P403		MP2					1	W1		CW23		X462
1398	ALUMINIUM SILICON POWDER, UNCOATED	4.3	W2	III	4.3	37	1 kg	E1	P410 IBC08 R001	B4	MP14	T1	TP33	SGAN		3	W1	VW5	CW23	CE11	423
1400	BARIUM	4.3	W2	II	4.3		500 g	E2	P410 IBC07		MP14	T3	TP33	SGAN		2	W1		CW23	CE10	423

NOT SUBJECT TO RID

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.1.1.3		5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1401	CALCIUM	4.3	W2	II	4.3		500 g	P410 IBC07		MP14	T3	TP33	SGAN		2	W1			CE10	423
1402	CALCIUM CARBIDE	4.3	W2	I	4.3		0	P403 IBC04		MP2	T9	TP7 TP33	S2.65AN(+) TP33	TU4 TU22 TM2 TA5	1	W1		CW23		X423
1402	CALCIUM CARBIDE	4.3	W2	II	4.3		500 g	P410 IBC07		MP14	T3	TP33	SGAN		2	W1	VW5	CW23	CE10	423
1403	CALCIUM CYANAMIDE with more than 0.1% calcium carbide	4.3	W2	III	4.3	38	1 kg	P410 IBC08 R001	B4	MP14	T1	TP33	SGAN		0	W1		CW23	CE11	423
1404	CALCIUM HYDRIDE	4.3	W2	I	4.3		0	P403		MP2					1	W1		CW23		X423
1405	CALCIUM SILICIDE	4.3	W2	II	4.3		500 g	P410 IBC07		MP14	T3	TP33	SGAN		2	W1	VW7	CW23	CE10	423
1405	CALCIUM SILICIDE	4.3	W2	III	4.3		1 kg	P410 IBC08 R001	B4	MP14	T1	TP33	SGAN		3	W1	VW5 VW7	CW23	CE11	423
1407	CAESIUM	4.3	W2	I	4.3		0	P403 IBC04		MP2			L10CH(+)	TU2 TU14 TU38 TE5 TE21 TE22 TT3 TM2	1	W1		CW23		X423
1408	FERROSILICON with 30% or more but less than 90% silicon	4.3	WT2	III	4.3+6.1	39	1 kg	P003 IBC08 R001	PP20 B4 B6	MP14	T1 BK2	TP33	SGAN		3	W1	VW1	CW23 CW28	CE11	462
1409	METAL HYDRIDES, WATER-REACTIVE, N.O.S.	4.3	W2	I	4.3	274 508	0	P403		MP2					1	W1		CW23		X423
1409	METAL HYDRIDES, WATER-REACTIVE, N.O.S.	4.3	W2	II	4.3	274 508	500 g	P410 IBC04		MP14	T3	TP33	SGAN		2	W1		CW23	CE10	423
1410	LITHIUM ALUMINIUM HYDRIDE	4.3	W2	I	4.3		0	P403		MP2					1	W1		CW23		X423
1411	LITHIUM ALUMINIUM HYDRIDE, ETHEREAL	4.3	WF1	I	4.3+3		0	P402	RR8	MP2					1	W1		CW23		X323
1413	LITHIUM BOROHYDRIDE	4.3	W2	I	4.3		0	P403		MP2					1	W1		CW23		X423
1414	LITHIUM HYDRIDE	4.3	W2	I	4.3		0	P403		MP2					1	W1		CW23		X423

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RD Tanks		Transport category	Special provisions for carriage			Cds express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1415	LITHIUM	4.3	W2	I	4.3		0 E0	P403 IBC04		MP2			L10BN(+)	TU1 TE5 TT3 TM2	1	W1		CW23		X423
1417	LITHIUM SILICON	4.3	W2	II	4.3		500 g	P410 IBC07		MP14	T3	TP33	SGAN		2	W1		CW23	CE10	423
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	WS	I	4.3+4.2		0 E0	P403		MP2					1	W1		CW23		X423
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	WS	II	4.3+4.2		0 E2	P410 IBC05		MP14	T3	TP33	SGAN		2	W1		CW23	CE10	423
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	WS	III	4.3+4.2		0 E1	P410 IBC08 R001	B4	MP14	T1	TP33	SGAN		3	W1	VW5	CW23	CE11	423
1419	MAGNESIUM ALUMINIUM PHOSPHIDE	4.3	WT2	I	4.3+6.1		0 E0	P403		MP2					1	W1		CW23		X462
1420	POTASSIUM METAL ALLOYS, LIQUID	4.3	W1	I	4.3		0 E0	P402		MP2			L10BN(+)	TU1 TE5 TT3 TM2	1	W1		CW28		X323
1421	ALKALI METAL ALLOY, LIQUID, N.O.S.	4.3	W1	I	4.3	182	0 E0	P402	RR8	MP2			L10BN(+)	TU1 TE5 TT3 TM2	1	W1		CW23		X323
1422	POTASSIUM SODIUM ALLOYS, LIQUID	4.3	W1	I	4.3		0 E0	P402		MP2	T9	TP7 TP31	L10BN(+)	TU1 TE5 TT3 TM2	1	W1		CW23		X323
1423	RUBIDIUM	4.3	W2	I	4.3		0 E0	P403 IBC04		MP2			L10CH(+)	TU2 TU14 TU38 TE5 TE21 TE22 TT3 TM2	1	W1		CW23		X423
1426	SODIUM BOROHYDRIDE	4.3	W2	I	4.3		0 E0	P403		MP2					1	W1		CW23		X423
1427	SODIUM HYDRIDE	4.3	W2	I	4.3		0 E0	P403		MP2					1	W1		CW23		X423

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1428	SODIUM	4.3	W2	I	4.3		0 E0	P403 IBC04		MP2	T9 TP33	L10BN(+)	TU1 TE5 TT3 TM2		1	W1		CW23		X423
1431	SODIUM METHYLATE	4.2	SC4	II	4.2+8		0 E2	P410 IBC05		MP14	T3 TP33	SGAN			2	W1			CE10	48
1432	SODIUM PHOSPHIDE	4.3	WT2	I	4.3+6.1		0 E0	P403		MP2					1	W1		CW23 CW28		X462
1433	STANNIC PHOSPHIDES	4.3	WT2	I	4.3+6.1		0 E0	P403		MP2					1	W1		CW23 CW28		X462
1435	ZINC ASHES	4.3	W2	III	4.3		1 kg E1	P002 IBC08 R001	B4	MP14	T1 TP33	SGAN			3	W1	VW5	CW23	CE11	423
1436	ZINC POWDER or ZINC DUST	4.3	WS	I	4.3+4.2		0 E0	P403		MP2					1	W1		CW23		X423
1436	ZINC POWDER or ZINC DUST	4.3	WS	II	4.3+4.2		0 E2	P410 IBC07	PP40	MP14	T3 TP33	SGAN			2	W1		CW23	CE10	423
1436	ZINC POWDER or ZINC DUST	4.3	WS	III	4.3+4.2		0 E1	P410 IBC08 R001	B4	MP14	T1 TP33	SGAN			3	W1	VW5	CW23	CE11	423
1437	ZIRCONIUM HYDRIDE	4.1	F3	II	4.1		1 kg E2	P410 IBC04	PP40	MP11	T3 TP33	SGAN			2	W1			CE10	40
1438	ALUMINIUM NITRATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1 BK1 BK2	SGAV	TU3		3		VW8	CW24	CE11	50
1439	AMMONIUM DICHROMATE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP2	T3 TP33	SGAN	TU3		2	W11		CW24	CE10	50
1442	AMMONIUM PERCHLORATE	5.1	O2	II	5.1	152	1 kg E2	P002 IBC06		MP2	T3 TP33				2	W11	VW8	CW24	CE10	50
1444	AMMONIUM PERSULPHATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1 TP33	SGAV	TU3		3		VW8	CW24	CE11	50
1445	BARIUM CHLORATE, SOLID	5.1	OT2	II	5.1+6.1		1 kg E2	P002 IBC06		MP2	T3 TP33	SGAN	TU3			2	W11	CW24 CW28	CE10	56
1446	BARIUM NITRATE	5.1	OT2	II	5.1+6.1		1 kg E2	P002 IBC08	B4	MP2	T3 TP33	SGAN	TU3		2	W11		CW24 CW28	CE10	56

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Collis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1447	BARIUM PERCHLORATE, SOLID	5.1	OT2	II	5.1+6.1		1 kg E2	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24 CW28	CE10	56
1448	BARIUM PERMANGANATE	5.1	OT2	II	5.1+6.1		1 kg E2	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24 CW28	CE10	56
1449	BARIUM PEROXIDE	5.1	OT2	II	5.1+6.1		1 kg E2	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24 CW28	CE10	56
1450	BROMATES, INORGANIC, N.O.S.	5.1	O2	II	5.1	274 350	1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24 CW28	CE10	50
1451	CAESIUM NITRATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50
1452	CALCIUM CHLORATE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
1453	CALCIUM CHLORITE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50
1454	CALCIUM NITRATE	5.1	O2	III	5.1	208	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1 BK1 BK2	TP33	SGAV	TU3	3		VW8	CW24	CE11	50
1455	CALCIUM PERCHLORATE	5.1	O2	II	5.1		1 kg E2	P002 IBC06		MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
1456	CALCIUM PERMANGANATE	5.1	O2	II	5.1		1 kg E2	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50
1457	CALCIUM PEROXIDE	5.1	O2	II	5.1		1 kg E2	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50
1458	CHLORATE AND BORATE MIXTURE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
1458	CHLORATE AND BORATE MIXTURE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP2	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	5.1	O2	III	5.1	5 kg	E1	P002 IBC08 LP02 R001	B3	MP2	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50
1461	CHLORATES, INORGANIC, N.O.S.	5.1	O2	II	5.1	274 1 kg	E2	P002 IBC06		MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
1462	CHLORITES, INORGANIC, N.O.S.	5.1	O2	II	5.1	274 1 kg	E2	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50
1463	CHROMIUM TRIOXIDE, ANHYDROUS	5.1	OTC	II	5.1+6.1+8	510 1 kg	E2	P002 IBC08	B4	MP2	T3	TP33	SGAN	TU3	2	W11		CW24 CW28	CE10	568
1465	DIDYMIUM NITRATE	5.1	O2	III	5.1	5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50
1466	FERRIC NITRATE	5.1	O2	III	5.1	5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50
1467	GUANIDINE NITRATE	5.1	O2	III	5.1	5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50
1469	LEAD NITRATE	5.1	OT2	II	5.1+6.1	1 kg	E2	P002 IBC08	B4	MP2	T3	TP33	SGAN	TU3	2	W11		CW24 CW28	CE10	56
1470	LEAD PERCHLORATE, SOLID	5.1	OT2	II	5.1+6.1	1 kg	E2	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24 CW28	CE10	56
1471	LITHIUM HYPOCHLORITE, DRY or LITHIUM HYPOCHLORITE MIXTURE	5.1	O2	II	5.1	1 kg	E2	P002 IBC08	B4	MP10			SGAN	TU3	2	W11		CW24	CE10	50
1471	LITHIUM HYPOCHLORITE, DRY or LITHIUM HYPOCHLORITE MIXTURE	5.1	O2	III	5.1	5 kg	E1	P002 IBC08 LP02	B3	MP10	T1	TP33	SGAV	TU3	3			CW24	CE11	50
1472	LITHIUM PEROXIDE	5.1	O2	II	5.1	1 kg	E2	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50
1473	MAGNESIUM BROMATE	5.1	O2	II	5.1	1 kg	E2	P002 IBC08	B4	MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Coils express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct-ions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.2.5.2, 4.2.5.3, 4.1.10, 7.3.2	4.3	1.1.3.1c)	7.2.4	7.3.3	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a) (9b)	(12)	(13)	(16)	(17)	(18)
1474	MAGNESIUM NITRATE	5.1	O2	III	5.1	332	5 kg E1	P002 IBC08 LP02 R001	T1 BK1 BK2	SGAV	3	VW8	CE11	50
1475	MAGNESIUM PERCHLORATE	5.1	O2	II	5.1		1 kg E2	P002 IBC06	T3	SGAV	2	W11	CE10	50
1476	MAGNESIUM PEROXIDE	5.1	O2	II	5.1		1 kg E2	P002 IBC06	T3	SGAN	2	W11	CE10	50
1477	NITRATES, INORGANIC, N.O.S.	5.1	O2	II	5.1	511	1 kg E2	P002 IBC08	T3	SGAN	2	W11	CE10	50
1477	NITRATES, INORGANIC, N.O.S.	5.1	O2	III	5.1	511	5 kg E1	P002 IBC08 LP02 R001	T1	SGAV	3	VW8	CE11	50
1479	OXIDIZING SOLID, N.O.S.	5.1	O2	I	5.1	274	0 E0	P503 IBC05			1	W10		55
1479	OXIDIZING SOLID, N.O.S.	5.1	O2	II	5.1	274	1 kg E2	P002 IBC08	T3	SGAN	2	W11	CE10	50
1479	OXIDIZING SOLID, N.O.S.	5.1	O2	III	5.1	274	5 kg E1	P002 IBC08 LP02 R001	T1	SGAN	3		CE11	50
1481	PERCHLORATES, INORGANIC, N.O.S.	5.1	O2	II	5.1		1 kg E2	P002 IBC06	T3	SGAV	2	W11	CE10	50
1481	PERCHLORATES, INORGANIC, N.O.S.	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	T1	SGAV	3	VW8	CE11	50
1482	PERMANGANATES, INORGANIC, N.O.S.	5.1	O2	II	5.1	274 353	1 kg E2	P002 IBC06	T3	SGAN	2	W11	CE10	50
1482	PERMANGANATES, INORGANIC, N.O.S.	5.1	O2	III	5.1	274 353	5 kg E1	P002 IBC08 LP02 R001	T1	SGAN	3		CE11	50
1483	PEROXIDES, INORGANIC, N.O.S.	5.1	O2	II	5.1		1 kg E2	P002 IBC06	T3	SGAN	2	W11	CE10	50

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1483	PEROXIDES, INORGANIC, N.O.S.	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP2	T1	TP33	SGAN	TU3	3			CW24	CE11	50
1484	POTASSIUM BROMATE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
1485	POTASSIUM CHLORATE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
1486	POTASSIUM NITRATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1 BK1 BK2	TP33	SGAV	TU3	3		VW8	CW24	CE11	50
1487	POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE	5.1	O2	II	5.1	607	1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
1488	POTASSIUM NITRITE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
1489	POTASSIUM PERCHLORATE	5.1	O2	II	5.1		1 kg E2	P002 IBC06		MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
1490	POTASSIUM PERMANGANATE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50
1491	POTASSIUM PEROXIDE	5.1	O2	I	5.1		0 E0	P503 IBC06		MP2					1	W10		CW24		55
1492	POTASSIUM PERSULPHATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50
1493	SILVER NITRATE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
1494	SODIUM BROMATE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
1495	SODIUM CHLORATE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP2	T3 BK1 BK2	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
1496	SODIUM CHLORITE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
1498	SODIUM NITRATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1 BK1 BK2	TP33	SGAV	TU3	3		VW8	CW24	CE11
1499	SODIUM NITRATE AND POTASSIUM NITRATE MIXTURE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1 BK1 BK2	TP33	SGAV	TU3	3		VW8	CW24	CE11
1500	SODIUM NITRITE	5.1	OT2	III	5.1+6.1		5 kg E1	P002 IBC08 R001	B3	MP10	T1	TP33	SGAN	TU3	3			CW24 CW28	CE11
1502	SODIUM PERCHLORATE	5.1	O2	II	5.1		1 kg E2	P002 IBC06		MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10
1503	SODIUM PERMANGANATE	5.1	O2	II	5.1		1 kg E2	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24	CE10
1504	SODIUM PEROXIDE	5.1	O2	I	5.1		0 E0	P503 IBC05		MP2					1	W10		CW24	55
1505	SODIUM PERSULPHATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11
1506	STRONTIUM CHLORATE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10
1507	STRONTIUM NITRATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11
1508	STRONTIUM PERCHLORATE	5.1	O2	II	5.1		1 kg E2	P002 IBC06		MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10
1509	STRONTIUM PEROXIDE	5.1	O2	II	5.1		1 kg E2	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24	CE10
1510	TETRANITROMETHANE	6.1	TO1	I	6.1+5.1	354 609	0 E0	P602		MP8 MP17			L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	665

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1511	UREA HYDROGEN PEROXIDE	5.1	OC2	III	5.1+8		5 kg E1	P008 IBC08 R001	B3	MP2	T1	TP33	SGAN	TU3	3			CW24	CE11	58
1512	ZINC AMMONIUM NITRITE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50
1513	ZINC CHLORATE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
1514	ZINC NITRATE	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50
1515	ZINC PERMANGANATE	5.1	O2	II	5.1		1 kg E2	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50
1516	ZINC PEROXIDE	5.1	O2	II	5.1		1 kg E2	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50
1517	ZIRCONIUM PICRAMATE, WETTED with not less than 20% water, by mass	4.1	D	I	4.1		0 E0	P406	PP26	MP2					1	W1				40
1541	ACETONE CYANOHYDRIN, STABILIZED	6.1	T1	I	6.1	354	0 E0	P602		MP8 MP17	T20	TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		669
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.	6.1	T2	I	6.1	43 274	0 E5	P002 IBC07		MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31		66
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.	6.1	T2	II	6.1	43 274	E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.	6.1	T2	III	6.1	43 274	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
1545	ALLYL ISOTHIOCYANATE, STABILIZED	6.1	TF1	II	6.1+3		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	639
1546	AMMONIUM ARSENATE	6.1	T5	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.		
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provisions	Tank code Special provisions		Packages	Bulk	Loading, unloading and handling				
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3	4.3.5, 6.8.4	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)
1547	ANILINE	6.1	T1	II	6.1	279	100 E4 ml	P001 IBC02	MP15	T7	TP2	L4BH	TU15			CW13 CW28 CW31	CE5	60
1548	ANILINE HYDROCHLORIDE	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	MP10	T1	TP33	SGAH	TU15		VW9	CW13 CW28 CW31	CE11	60
1549	ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.	6.1	T5	III	6.1	45 274 512	5 kg E1	P002 IBC08 LP02 R001	MP10	T1	TP33	SGAH L4BH	TU15		VW9	CW13 CW28 CW31	CE11	60
1550	ANTIMONY LACTATE	6.1	T5	III	6.1		5 kg E1	P002 IBC08 LP02 R001	MP10	T1	TP33	SGAH L4BH	TU15		VW9	CW13 CW28 CW31	CE11	60
1551	ANTIMONY POTASSIUM TARTRATE	6.1	T5	III	6.1		5 kg E1	P002 IBC08 LP02 R001	MP10	T1	TP33	SGAH L4BH	TU15		VW9	CW13 CW28 CW31	CE11	60
1553	ARSENIC ACID, LIQUID	6.1	T4	I	6.1		0 E5	P001	MP8 MP17	T20 TP7	L10CH	TU14 TU15 TU38 TE21 TE22			CW13 CW28 CW31		66	
1554	ARSENIC ACID, SOLID	6.1	T5	II	6.1		500 g E4	P002 IBC08	MP10	T3	TP33	SGAH L4BH	TU15		W11	CW13 CW28 CW31	CE9	60
1555	ARSENIC BROMIDE	6.1	T5	II	6.1		500 g E4	P002 IBC08	MP10	T3	TP33	SGAH L4BH	TU15		W11	CW13 CW28 CW31	CE9	60
1556	ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	T4	I	6.1	43 274	0 E5	P001	MP8 MP17	T14 TP27	L10CH	TU14 TU15 TU38 TE21 TE22			CW13 CW28 CW31		66	

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1556	ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	T4	II	6.1	43 274	100 ml	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
1556	ARSENIC COMPOUND, LIQUID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	T4	III	6.1	43 274	5 L	P001 IBC03 LP01 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
1557	ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	T5	I	6.1	43 274	0	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU15 TU38 TE22	1	W10		CW13 CW28 CW31		66
1557	ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	T5	II	6.1	43 274	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1557	ARSENIC COMPOUND, SOLID, N.O.S., inorganic, including: Arsenates, n.o.s., Arsenites, n.o.s.; and Arsenic sulphides, n.o.s.	6.1	T5	III	6.1	43 274	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
1558	ARSENIC	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1559	ARSENIC PENTOXIDE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1560	ARSENIC TRICHLORIDE	6.1	T4	I	6.1		0	P602		MP8 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
1561	ARSENIC TRIOXIDE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1562	ARSENICAL DUST	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing Instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1564	BARIUM COMPOUND, N.O.S.	6.1	T5	II	6.1	177 274 513 587	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1564	BARIUM COMPOUND, N.O.S.	6.1	T5	III	6.1	177 274 513 587	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
1565	BARIUM CYANIDE	6.1	T5	I	6.1		0	P002 IBC07		MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31		66
1566	BERYLLIUM COMPOUND, N.O.S.	6.1	T5	II	6.1	274 514	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1566	BERYLLIUM COMPOUND, N.O.S.	6.1	T5	III	6.1	274 514	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
1567	BERYLLIUM POWDER	6.1	TF3	II	6.1+4.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	64
1569	BROMOACETONE	6.1	TF1	II	6.1+3		0	P602		MP15	T20	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	63
1570	BRUCINE	6.1	T2	I	6.1	43	0	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
1571	BARIUM AZIDE, WETTED with not less than 50% water, by mass	4.1	DT	I	4.1+6.1	568	0	P406		MP2					1	W1		CW28		46
1572	CACODYLIC ACID	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1573	CALCIUM ARSENATE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1574	CALCIUM ARSENATE AND CALCIUM ARSENITE MIXTURE, SOLID	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1575	CALCIUM CYANIDE	6.1	T5	I	6.1		0	P002 IBC07		MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31		66
1577	CHLORODINITROBENZENES, LIQUID	6.1	T1	II	6.1	279	100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
1578	CHLORONITROBENZENES, SOLID	6.1	T2	II	6.1	279	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1579	4-CHLORO-o-TOLUIDINE HYDROCHLORIDE, SOLID	6.1	T2	III	6.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
1580	CHLOROPICRIN	6.1	T1	I	6.1	354	0	P601		MP8 MP17	T22	TP2 TP37	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
1581	CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more than 2% chloropicrin	2	2T		2.3 (+13)		0	P200		MP9	T50 (M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		26
1582	CHLOROPICRIN AND METHYL CHLORIDE MIXTURE	2	2T		2.3 (+13)		0	P200		MP9	T50 (M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		26

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1	T1	I	6.1	274 315 515	0 E5	P602		MP8 MP17			L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1	T1	II	6.1	274 515	E4	P001 IBC02		MP15			L4BH	TU15	2			CW13 CW28 CW31	CE5	60
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1	T1	III	6.1	274 515	E1	P001 IBC03 LP01 R001		MP19			L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
1585	COPPER ACETOARSENITE	6.1	T5	II	6.1		E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1586	COPPER ARSENITE	6.1	T5	II	6.1		E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1587	COPPER CYANIDE	6.1	T5	II	6.1		E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1588	CYANIDES, INORGANIC, SOLID, N.O.S.	6.1	T5	I	6.1	47 274	E5	P002 IBC07		MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31	CE13	66
1588	CYANIDES, INORGANIC, SOLID, N.O.S.	6.1	T5	II	6.1	47 274	E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1588	CYANIDES, INORGANIC, SOLID, N.O.S.	6.1	T5	III	6.1	47 274	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
1589	CYANOGEN CHLORIDE, STABILIZED	2	2TC		2.3+8		E0	P200		MP9					1			CW9 CW10 CW36		268
1590	DICHLOROANILINES, LIQUID	6.1	T1	II	6.1	279	E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10) (11)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1591	o-DICHLOROBENZENE	6.1	T1	III	6.1	279	5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
1593	DICHLOROMETHANE	6.1	T1	III	6.1	516	5 L E1	P001 IBC03 LP01 R001	B8	MP19	T7	TP2	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
1594	DIETHYL SULPHATE	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
1595	DIMETHYL SULPHATE	6.1	TC1	I	6.1+8	354	0 E0	P602		MP8 MP17	T20	TP2 TP35	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		668
1596	DINITROANILINES	6.1	T2	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1597	DINITROBENZENES, LIQUID	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
1597	DINITROBENZENES, LIQUID	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP2	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
1598	DINITRO-o-CRESOL	6.1	T2	II	6.1	43	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1599	DINITROPHENOL SOLUTION	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
1599	DINITROPHENOL SOLUTION	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Cdils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	6.1	T1	II	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1600	DINITROTOLUENES, MOLTEN	6.1	T1	II	6.1		0 E0				T7	TP3	L4BH	TU15	0					60
1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1	T2	I	6.1	274	0 E5	P002 IBC07	MP18	MP18	T6	TP33	S10AH L10CH	TU15 TU38 TE22	1	W10				66
1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1	T2	II	6.1	274	500 g	P002 IBC08		MP10	T3	TP33	SGAH L4BH	TU15	2	W11				60
1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1	T2	III	6.1	274	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2	VW9				60
1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	6.1	T1	I	6.1	274	0 E5	P001		MP8 MP17			L10CH	TU14 TU15 TU38 TE21 TE22	1					66
1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	6.1	T1	II	6.1	274	100 ml	P001 IBC02		MP15			L4BH	TU15	2				CE5	60
1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	6.1	T1	III	6.1	274	5 L	P001 IBC03 LP01 R001		MP19			L4BH	TU15	2	W12			CE8	60
1603	ETHYL BROMOACETATE	6.1	TF1	II	6.1+3		100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2				CE5	63
1604	ETHYLENEDIAMINE	8	CF1	II	8+3		1 L	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	83
1605	ETHYLENE DIBROMIDE	6.1	T1	I	6.1	354	0 E0	P602		MP8 MP17	T20	TP2 TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1					66
1606	FERRIC ARSENATE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11				60

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1607	FERRIC ARSENITE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1608	FERROUS ARSENATE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1611	HEXAETHYL TETRAPHOSPHATE	6.1	T1	II	6.1		100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
1612	HEXAETHYL TETRAPHOSPHATE AND COMPRESSED GAS MIXTURE	2	1T		2.3 (+13)		0	P200		MP9	(M)		CxBH(M)	TU38 TE22 TE25 TA4 TT9	1			CW9 CW10 CW36		26
1613	HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION) with not more than 20% hydrogen cyanide	6.1	TF1	I	6.1+3	48	0	P601		MP8 MP17	T14	TP2	L15DH(+)	TU14 TU15 TU38 TE21 TE22 TE25	0			CW13 CW28 CW31		663
1614	HYDROGEN CYANIDE, STABILIZED, containing less than 3% water and absorbed in a porous inert material	6.1	TF1	I	6.1+3	603	0	P099 P601	RR10	MP2					0			CW13 CW28 CW31		663
1616	LEAD ACETATE	6.1	T5	III	6.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
1617	LEAD ARSENATES	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1618	LEAD ARSENITES	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1620	LEAD CYANIDE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60

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								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2		4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5; 6.8.4	1.1.3.1(g)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1621	LONDON PURPLE	6.1	T5	II	6.1	43	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1622	MAGNESIUM ARSENATE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1623	MERCURIC ARSENATE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1624	MERCURIC CHLORIDE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1625	MERCURIC NITRATE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1626	MERCURIC POTASSIUM CYANIDE	6.1	T5	I	6.1		0	P002 IBC07		MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31		66
1627	MERCUROUS NITRATE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1629	MERCURY ACETATE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1630	MERCURY AMMONIUM CHLORIDE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1631	MERCURY BENZOATE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1634	MERCURY BROMIDES	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1636	MERCURY CYANIDE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60

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								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1637	MERCURY GLUCONATE	6.1	T5	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1638	MERCURY IODIDE	6.1	T5	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1639	MERCURY NUCLEATE	6.1	T5	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1640	MERCURY OLEATE	6.1	T5	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1641	MERCURY OXIDE	6.1	T5	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1642	MERCURY OXYCYANIDE, DESENSITIZED	6.1	T5	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1643	MERCURY POTASSIUM IODIDE	6.1	T5	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1644	MERCURY SALICYLATE	6.1	T5	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1645	MERCURY SULPHATE	6.1	T5	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1646	MERCURY THIOCYANATE	6.1	T5	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1647	METHYL BROMIDE AND ETHYLENE DIBROMIDE MIXTURE, LIQUID	6.1	T1	I	6.1	354	0 E0	P602		MP8 MP17	T20	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colls express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1648	ACETONITRILE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T7	TP2	LGBF		2				CE7	33
1649	MOTOR FUEL ANTI-KNOCK MIXTURE	6.1	T3	I	6.1		0 E5	P602		MP8 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22 TT6	1			CW13 CW28 CW31		66
1650	beta-NAPHTHYLAMINE, SOLID	6.1	T2	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1651	NAPHTHYLTHIOUREA	6.1	T2	II	6.1	43	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1652	NAPHTHYLUREA	6.1	T2	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1653	NICKEL CYANIDE	6.1	T5	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1654	NICOTINE	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15			L4BH	TU15	2			CW13 CW28 CW31	CE5	60
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1	T2	I	6.1	43 274	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU15 TU38 TE22	1	W10		CW13 CW28 CW31		66
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1	T2	II	6.1	43 274	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1	T2	III	6.1	43 274	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
1656	NICOTINE HYDROCHLORIDE, LIQUID or SOLUTION	6.1	T1	II	6.1	43	100 ml E4	P001 IBC02		MP15			L4BH	TU15	2			CW13 CW28 CW31	CE5	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provi- sions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
(1)	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1656	NICOTINE HYDROCHLORIDE, LIQUID or SOLUTION	6.1	T1	III	6.1	43	5 L E1	P001 IBC03 LP01 R001		MP19			L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
1657	NICOTINE SALICYLATE	6.1	T2	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1658	NICOTINE SULPHATE, SOLUTION	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
1658	NICOTINE SULPHATE, SOLUTION	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP2	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
1659	NICOTINE TARTRATE	6.1	T2	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1660	NITRIC OXIDE, COMPRESSED	2	1TOC		2.3+5.1+8		0 E0	P200		MP9					1			CW9 CW10 CW36		265
1661	NITROANILINES (o-, m-, p-)	6.1	T2	II	6.1	279	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1662	NITROBENZENE	6.1	T1	II	6.1	279	100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
1663	NITROPHENOLS (o-, m-, p-)	6.1	T2	III	6.1	279	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
1664	NITROTOLUENES, LIQUID	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
1665	NITROXYLENES, LIQUID	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage				Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1e	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)	
1669	PENTACHLOROETHANE	6.1	T1	II	6.1		100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60	
1670	PERCHLOROMETHYL MERCAPTAN	6.1	T1	I	6.1	354	0	P602		MP8 MP17	T20 TP37		L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66	
1671	PHENOL, SOLID	6.1	T2	II	6.1	279	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60	
1672	PHENYL CARBYLAMINE CHLORIDE	6.1	T1	I	6.1		0	P602		MP8 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66	
1673	PHENYLENEDIAMINES (o-, m-, p-)	6.1	T2	III	6.1	279	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2	VW9		CW13 CW28 CW31	CE11	60	
1674	PHENYLMERCURIC ACETATE	6.1	T3	II	6.1	43	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60	
1677	POTASSIUM ARSENATE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60	
1678	POTASSIUM ARSENITE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60	
1679	POTASSIUM CUPROCYANIDE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60	
1680	POTASSIUM CYANIDE, SOLID	6.1	T5	I	6.1		0	P002 IBC07		MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31		66	

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging				Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage				Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions	Packages		Bulk	Loading, unloading and handling				
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3		
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)		
1683	SILVER ARSENITE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60		
1684	SILVER CYANIDE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60		
1685	SODIUM ARSENATE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60		
1686	SODIUM ARSENITE, AQUEOUS SOLUTION	6.1	T4	II	6.1	43	100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60		
1686	SODIUM ARSENITE, AQUEOUS SOLUTION	6.1	T4	III	6.1	43	5 L	P001 IBC03 LP01 R001		MP19	T4	TP2	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60		
1687	SODIUM AZIDE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10					2	W11		CW13 CW28 CW31	CE9	60		
1688	SODIUM CACODYLATE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60		
1689	SODIUM CYANIDE, SOLID	6.1	T5	I	6.1		0	P002 IBC07		MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31		66		
1690	SODIUM FLUORIDE, SOLID	6.1	T5	III	6.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH	TU15	2		VW9	CW13 CW28 CW31	CE11	60		
1691	STRONTIUM ARSENITE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60		
1692	STRYCHNINE or STRYCHNINE SALTS	6.1	T2	I	6.1		0	P002 IBC07		MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31		66		

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1693	TEAR GAS SUBSTANCE, LIQUID, N.O.S.	6.1	T1	I	6.1	274	0 E5	P001		MP8 MP17			L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
1693	TEAR GAS SUBSTANCE, LIQUID, N.O.S.	6.1	T1	II	6.1	274	0 E4	P001 IBC02		MP15			L4BH	TU15	2			CW13 CW28 CW31	CE5	60
1694	BROMOBENZYL CYANIDES, LIQUID	6.1	T1	I	6.1	138	0 E5	P001		MP8 MP17	T14 TP2		L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
1695	CHLOROACETONE, STABILIZED	6.1	TFC	I	6.1+3+8	354	0 E0	P602		MP8 MP17	T20 TP2 TP35		L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
1697	CHLOROACETOPHENONE, SOLID	6.1	T2	II	6.1		0 E4	P002 IBC08	B4	MP10	T3 TP33		SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
1698	DIPHENYLAMINE CHLOROARSINE	6.1	T3	I	6.1		0 E5	P002		MP18	T6 TP33		S10AH	TU15	1			CW13 CW28 CW31		66
1699	DIPHENYLCHLOROARSINE, LIQUID	6.1	T3	I	6.1		0 E5	P001		MP8 MP17			L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
1700	TEAR GAS CANDLES	6.1	TF3	II	6.1+4.1		0 E0	P600							2			CW13 CW28 CW31		64
1701	XYLYL BROMIDE, LIQUID	6.1	T1	II	6.1		0 E4	P001 IBC02		MP15	T7 TP2		L4BH	TU15	2			CW13 CW28 CW31	CE5	60

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colis express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct-ions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9b)	(10)	(11)	(12)	(13)	(14)
1702	1,1,2,2-TETRACHLOROETHANE	6.1	T1	II	6.1		100 E4 ml	P001 IBC02	MP15	T7	TP2	L4BH	TU15	60
1704	TETRAETHYL DITHIOPYROPHOSPHATE	6.1	T1	II	6.1	43	100 E4 ml	P001 IBC02	MP15	T7	TP2	L4BH	TU15	60
1707	THALLIUM COMPOUND, N.O.S.	6.1	T5	II	6.1	43 274 g	500 E4 g	P002 IBC08	MP10	T3	TP33	SGAH L4BH	TU15	60
1708	TOLUIDINES, LIQUID	6.1	T1	II	6.1	279	100 E4 ml	P001 IBC02	MP15	T7	TP2	L4BH	TU15	60
1709	2,4-TOLYLENEDIAMINE, SOLID	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	MP10	T1	TP33	SGAH L4BH	TU15	60
1710	TRICHLOROETHYLENE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001	MP19	T4	TP1	L4BH	TU15	60
1711	XYLIDINES, LIQUID	6.1	T1	II	6.1		100 E4 ml	P001 IBC02	MP15	T7	TP2	L4BH	TU15	60
1712	ZINC ARSENATE, ZINC ARSENITE or ZINC ARSENATE AND ZINC ARSENITE MIXTURE	6.1	T5	II	6.1		500 E4 g	P002 IBC08	MP10	T3	TP33	SGAH	TU15	60
1713	ZINC CYANIDE	6.1	T5	I	6.1		0 E5	P002 IBC07	MP18	T6	TP33	S10AH	TU15	66
1714	ZINC PHOSPHIDE	4.3	WT2	I	4.3+6.1		0 E0	P403	MP2					X462
1715	ACETIC ANHYDRIDE	8	CF1	II	8+3		1 L E2	P001 IBC02	MP15	T7	TP2	L4BN		83
1716	ACETYL BROMIDE	8	C3	II	8		1 L E2	P001 IBC02	MP15	T8	TP2	L4BN		80
1717	ACETYL CHLORIDE	3	FC	II	3+8		1 L E2	P001 IBC02	MP19	T8	TP2	L4BH		X338

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UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No					
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provisions	Tank code Special provisions		Packages	Bulk	Loading, unloading and handling							
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3					
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1718	BUTYL ACID PHOSPHATE	8	C3	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12				CE8	80
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	C5	II	8	274	1 L E2	P001 IBC02		MP15	T11	TP2 TP27	L4BN		2					CE6	80
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	C5	III	8	274	5 L E1	P001 IBC03 R001		MP19	T7	TP1 TP28	L4BN		3	W12				CE8	80
1722	ALLYL CHLOROFORMATE	6.1	TFC	I	6.1+3+8		0 E5			MP8 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1				CW13 CW28 CW31		668
1723	ALLYL IODIDE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP2	L4BH		2					CE7	338
1724	ALLYLTRICHLOROSILANE, STABILIZED	8	CF1	II	8+3		0 E0	P010		MP15	T10	TP2 TP7	L4BN		2					CE6	X839
1725	ALUMINIUM BROMIDE, ANHYDROUS	8	C2	II	8	588	1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN		2	W11				CE10	80
1726	ALUMINIUM CHLORIDE, ANHYDROUS	8	C2	II	8	588	1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN		2	W11				CE10	80
1727	AMMONIUM HYDROGENDIFLUORIDE, SOLID	8	C2	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN		2	W11				CE10	80
1728	AMYLTRICHLOROSILANE	8	C3	II	8		0 E0	P010		MP15	T10	TP2 TP7	L4BN		2					CE6	X80
1729	ANISOYL CHLORIDE	8	C4	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN L4BN		2	W11				CE10	80
1730	ANTIMONY PENTACHLORIDE, LIQUID	8	C1	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2					CE6	X80
1731	ANTIMONY PENTACHLORIDE SOLUTION	8	C1	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2					CE6	80
1731	ANTIMONY PENTACHLORIDE SOLUTION	8	C1	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12				CE8	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers	RID Tanks		Transport category	Special provisions for carriage			Colls express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions		Instruc- tions	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.2, 4.2.5.3	4.3	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)
1732	ANTIMONY PENTAFLUORIDE	8	CT1	II	8+6.1		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN	2			CW13 CW28	CE6	86
1733	ANTIMONY TRICHLORIDE	8	C2	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN L4BN	2	W11			CE10	80
1736	BENZOYL CHLORIDE	8	C3	II	8		1 L E2	P001 IBC02		MP15	T8	TP2	L4BN	2				CE6	80
1737	BENZYL BROMIDE	6.1	TC1	II	6.1+8		0 E4	P001 IBC02		MP15	T8	TP2	L4BH	2			CW13 CW28 CW31	CE5	68
1738	BENZYL CHLORIDE	6.1	TC1	II	6.1+8		0 E4	P001 IBC02		MP15	T8	TP2	L4BH	2			CW13 CW28 CW31	CE5	68
1739	BENZYL CHLOROFORMATE	8	C9	I	8		0 E0	P001		MP8 MP17	T10	TP2	L10BH	1					88
1740	HYDROGENDIFLUORIDES, SOLID, N.O.S.	8	C2	II	8	517	1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN	2	W11			CE10	80
1740	HYDROGENDIFLUORIDES, SOLID, N.O.S.	8	C2	III	8	517	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	3		VW9		CE11	80
1741	BORON TRICHLORIDE	2	2TC		2.3+8		0 E0	P200		MP9	(M)			1			CW9 CW10 CW36		268
1742	BORON TRIFLUORIDE ACETIC ACID COMPLEX, LIQUID	8	C3	II	8		1 L E2	P001 IBC02		MP15	T8	TP2	L4BN	2				CE6	80
1743	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, LIQUID	8	C3	II	8		1 L E2	P001 IBC02		MP15	T8	TP2	L4BN	2				CE6	80
1744	BROMINE or BROMINE SOLUTION	8	CT1	I	8+6.1		0 E0	P804		MP2	T22	TP2 TP10	L21DH(+)	1			CW13 CW28		886

3.2-A-90

UN No.	Name and description	Class	Classification code	Packing group	Label's	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3	4.3.5, 6.8.4	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3			
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1745	BROMINE PENTAFLUORIDE	5.1	OTC	I	5.1+6.1+8		0 E0	P200		MP2	T22	TP2	L10DH	TU3 TU38 TE16 TE22	1			CW24 CW28		568
1746	BROMINE TRIFLUORIDE	5.1	OTC	I	5.1+6.1+8		0 E0	P200		MP2	T22	TP2	L10DH	TU3 TU38 TE16 TE22	1			CW24 CW28		568
1747	BUTYL TRICHLOROSILANE	8	CF1	II	8+3		0 E0	P010		MP15	T10	TP2 TP7	L4BN		2				CE6	X83
1748	CALCIUM HYPOCHLORITE, DRY or CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39% available chlorine (8.8% available oxygen)	5.1	O2	II	5.1	314	1 kg E2	P002 IBC08	B4 B13	MP10			SGAN	TU3	2	W11	CW24 CW35		CE10	50
1748	CALCIUM HYPOCHLORITE, DRY or CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39% available chlorine (8.8% available oxygen)	5.1	O2	III	5.1	316	5 kg E1	P002 IBC08 R001	B4 B13	MP10			SGAV	TU3	3		CW24 CW35		CE11	50
1749	CHLORINE TRIFLUORIDE	2	2TOC		2.3+5.1+8 (+13)		0 E0	P200		MP9	(M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1		CW9 CW10 CW16 CW36			265
1750	CHLOROACETIC ACID SOLUTION	6.1	TC1	II	6.1+8		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	68
1751	CHLOROACETIC ACID, SOLID	6.1	TC2	II	6.1+8		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11	CW13 CW28 CW31	CE9		68
1752	CHLOROACETYL CHLORIDE	6.1	TC1	I	6.1+8	354	0 E0	P602		MP8 MP17	T20	TP2 TP35	L10CH	TU14 TU15 TU38 TE21 TE22	1		CW13 CW28 CW31			668
1753	CHLOROPHENYLTRICHLOROSILANE	8	C3	II	8		0 E0	P010		MP15	T10	TP2 TP7	L4BN		2				CE6	X80

3.2-A-91

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3.5, 6.8.4	4.3	1.1.3.1c		7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1754	CHLOROSULPHONIC ACID (with or without sulphur trioxide)	8	C1	I	8		0 E0	P001		MP8	T20	TP2	L10BH	TU38	1					X88
1755	CHROMIC ACID SOLUTION	8	C1	II	8	5/8	1 L E2	P001		MP15	T8	TP2	L4BN	TE22	2				CE6	80
1755	CHROMIC ACID SOLUTION	8	C1	III	8	5/8	5 L E1	P001		MP19	T4	TP1	L4BN		3				CE8	80
1756	CHROMIC FLUORIDE, SOLID	8	C2	II	8		1 kg E2	P002	B4	MP10	T3	TP33	SGAN		2	W11			CE10	80
1757	CHROMIC FLUORIDE SOLUTION	8	C1	II	8		1 L E2	P001		MP15	T7	TP2	L4BN		2				CE6	80
1757	CHROMIC FLUORIDE SOLUTION	8	C1	III	8		5 L E1	P001		MP19	T4	TP1	L4BN		3	W12			CE8	80
1758	CHROMIUM OXYCHLORIDE	8	C1	I	8		0 E0	P001		MP8	T10	TP2	L10BH	TU38	1					X88
1759	CORROSIVE SOLID, N.O.S.	8	C10	I	8	2/4	0 E0	P002		MP18	T6	TP33	S10AN	TU38	1	W10				88
1759	CORROSIVE SOLID, N.O.S.	8	C10	II	8	2/4	1 kg E2	P002		MP10	T3	TP33	SGAN	TE22	2	W11			CE10	80
1759	CORROSIVE SOLID, N.O.S.	8	C10	III	8	2/4	5 kg E1	P002	B3	MP10	T1	TP33	SGAV		3	VW9			CE11	80
1760	CORROSIVE LIQUID, N.O.S.	8	C9	I	8	2/4	0 E0	P001		MP8	T14	TP2	L10BH	TU38	1					88
1760	CORROSIVE LIQUID, N.O.S.	8	C9	II	8	2/4	1 L E2	P001		MP15	T11	TP2	L4BN	TE22	2				CE6	80
1760	CORROSIVE LIQUID, N.O.S.	8	C9	III	8	2/4	5 L E1	P001		MP19	T7	TP1	L4BN		3	W12			CE8	80
1761	CUPRIETHYLENEDIAMINE SOLUTION	8	CT1	II	8+6.1		1 L E2	P001		MP15	T7	TP2	L4BN		2			CW13 CW28	CE6	86

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.5	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1761	CUPRIETHYLENEDIAMINE SOLUTION	8	CT1	III	8+6.1		5 L E1	P001 IBC03 R001		MP19	T7	TP1 TP28	L4BN		3	W12		CW13 CW28	CE8	86
1762	CYCLOHEXYLTRICHLOROSILANE	8	C3	II	8		0 E0	P010		MP15	T10	TP2 TP7	L4BN		2				CE6	X80
1763	CYCLOHEXYLTRICHLOROSILANE	8	C3	II	8		0 E0	P010		MP15	T10	TP2 TP7	L4BN		2				CE6	X80
1764	DICHLOROACETIC ACID	8	C3	II	8		1 L E2	P001 IBC02		MP15	T8	TP2	L4BN		2				CE6	80
1765	DICHLOROACETYL CHLORIDE	8	C3	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	X80
1766	DICHLOROPHENYL TRICHLOROSILANE	8	C3	II	8		0 E0	P010		MP15	T10	TP2 TP7	L4BN		2				CE6	X80
1767	DIETHYLDICHLOROSILANE	8	CF1	II	8+3		0 E0	P010		MP15	T10	TP2 TP7	L4BN		2				CE6	X83
1768	DIFLUOROPHOSPHORIC ACID, ANHYDROUS	8	C1	II	8		1 L E2	P001 IBC02		MP15	T8	TP2	L4BN		2				CE6	80
1769	DIPHENYLDICHLOROSILANE	8	C3	II	8		0 E0	P010		MP15	T10	TP2 TP7	L4BN		2				CE6	X80
1770	DIPHENYLMETHYL BROMIDE	8	C10	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN L4BN		2	W11			CE10	80
1771	DODECYLTRICHLOROSILANE	8	C3	II	8		0 E0	P010		MP15	T10	TP2 TP7	L4BN		2				CE6	X80
1773	FERRIC CHLORIDE, ANHYDROUS	8	C2	III	8	590	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3	VM9			CE11	80
1774	FIRE EXTINGUISHER CHARGES, corrosive liquid	8	C11	II	8		1 L E0	P001	PP4						2				CE6	80
1775	FLUOROBORIC ACID	8	C1	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80
1776	FLUOROPHOSPHORIC ACID, ANHYDROUS	8	C1	II	8		1 L E2	P001 IBC02		MP15	T8	TP2	L4BN		2				CE6	80
1777	FLUOROSULPHONIC ACID	8	C1	I	8		0 E0	P001		MP8 MP17	T10	TP2	L10BH	TU38 TE22	1					88
1778	FLUOROSILICIC ACID	8	C1	II	8		1 L E2	P001 IBC02		MP15	T8	TP2	L4BN		2				CE6	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1779	FORMIC ACID with more than 85% acid by mass	8	CF1	II	8+3		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	83
1780	FUMARYL CHLORIDE	8	C3	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80
1781	HEXADECYLTRICHLOROSILANE	8	C3	II	8		0 E0	P010		MP15	T10	TP2 TP7	L4BN		2				CE6	X80
1782	HEXAFLUOROPHOSPHORIC ACID	8	C1	II	8		1 L E2	P001 IBC02		MP15	T8	TP2	L4BN		2				CE6	80
1783	HEXAMETHYLENEDIAMINE SOLUTION	8	C7	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80
1783	HEXAMETHYLENEDIAMINE SOLUTION	8	C7	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
1784	HEXYLTRICHLOROSILANE	8	C3	II	8		0 E0	P010		MP15	T10	TP2 TP7	L4BN		2				CE6	X80
1786	HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE	8	CT1	I	8+6.1		0 E0	P001		MP8 MP17	T10	TP2	L10DH	TU14 TU38 TE21 TE22 TT4	1			CW13 CW28		886
1787	HYDRIODIC ACID	8	C1	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80
1787	HYDRIODIC ACID	8	C1	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
1788	HYDROBROMIC ACID	8	C1	II	8	519	1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80
1788	HYDROBROMIC ACID	8	C1	III	8	519	5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
1789	HYDROCHLORIC ACID	8	C1	II	8	520	1 L E2	P001 IBC02		MP15	T8	TP2	L4BN		2				CE6	80

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1789	HYDROCHLORIC ACID	8	C1	III	8	520	5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
1790	HYDROFLUORIC ACID with more than 85% hydrogen fluoride	8	CT1	I	8+6.1	640I	0 E0	P802		MP2	T10	TP2	L21DH(+)	TU14 TU34 TU38 TC1 TE17 TE21 TE22 TE25 TA4 TT4 TT9 TM3	1		CW13 CW28		886	
1790	HYDROFLUORIC ACID with more than 60% but not more than 85% hydrogen fluoride	8	CT1	I	8+6.1	640J	0 E0	P001	PP81	MP8 MP17	T10	TP2	L10DH	TU14 TU38 TE21 TE22 TT4	1		CW13 CW28		886	
1790	HYDROFLUORIC ACID with not more than 60% hydrogen fluoride	8	CT1	II	8+6.1		1 L E2	P001 IBC02		MP15	T8	TP2	L4DH	TU14 TE17 TE21 TT4	2		CW13 CW28	CE6	86	
1791	HYPOCHLORITE SOLUTION	8	C9	II	8	521	1 L E2	P001 IBC02	PP10 B5	MP15	T7	TP2 TP24	L4BV(+)	TE11	2			CE6	80	
1791	HYPOCHLORITE SOLUTION	8	C9	III	8	521	5 L E1	P001 IBC02 LP01 R001	B5	MP19	T4	TP2 TP24	L4BV(+)	TE11	3			CE8	80	
1792	IODINE MONOCHLORIDE, SOLID	8	C2	II	8		1 kg E2	P002 IBC08	B4	MP10	T7	TP2	SGAN L4BN		2	W11		CE10	80	
1793	ISOPROPYL ACID PHOSPHATE	8	C3	III	8		5 L E1	P001 IBC02 LP01 R001		MP19	T4	TP1	L4BN		3			CE8	80	

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage				Coils express (express parcels)	Hazard identification No.	
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provi- sions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling				
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5. 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3		
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)		
1794	LEAD SULPHATE with more than 3% free acid	8	C2	II	8	591	1 kg	P002 IBC08	B4	MP10	T3	TP33	SGAN		2	W11	VW9		CE10	80		
1796	NITRATING ACID MIXTURE with more than 50% nitric acid	8	CO1	I	8+5.1		0	P001		MP8 MP17	T10	TP2	L10BH	TU38 TC6 TE22 TT1	1			CW24		885		
1796	NITRATING ACID MIXTURE with not more than 50% nitric acid	8	C1	II	8		1 L	P001 IBC02		MP15	T8	TP2	L4BN		2			CW24	CE6	80		
1798	NITROHYDROCHLORIC ACID	8	COT							CARRIAGE PROHIBITED												
1799	NONYLTRICHLOROSILANE	8	C3	II	8		0	P010		MP15	T10	TP2 TP7	L4BN		2				CE6	X80		
1800	OCTADECYLTRICHLOROSILANE	8	C3	II	8		0	P010		MP15	T10	TP7	L4BN		2				CE6	X80		
1801	OCTYLTRICHLOROSILANE	8	C3	II	8		0	P010		MP15	T10	TP7	L4BN		2				CE6	X80		
1802	PERCHLORIC ACID with not more than 50% acid, by mass	8	CO1	II	8+5.1	522	1 L	P001 IBC02		MP3	T7	TP2	L4BN		2			CW24	CE6	85		
1803	PHENOLSULPHONIC ACID, LIQUID	8	C3	II	8		1 L	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80		
1804	PHENYLTRICHLOROSILANE	8	C3	II	8		0	P010		MP15	T10	TP2 TP7	L4BN		2				CE6	X80		
1805	PHOSPHORIC ACID, SOLUTION	8	C1	III	8		5 L	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80		
1806	PHOSPHORUS PENTACHLORIDE	8	C2	II	8		1 kg	P002 IBC08	B4	MP10	T3	TP33	SGAN		2	W11			CE10	80		
1807	PHOSPHORUS PENTOXIDE	8	C2	II	8		1 kg	P002 IBC08	B4	MP10	T3	TP33	SGAN		2	W11			CE10	80		
1808	PHOSPHORUS TRIBROMIDE	8	C1	II	8		1 L	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	X80		
1809	PHOSPHORUS TRICHLORIDE	6.1	TC3	I	6.1+8	354	0	P602		MP8 MP17	T20	TP2 TP35	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		668		

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.				
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provisions	Tank code Special provisions		Packages	Bulk	Loading, unloading and handling						
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1810	PHOSPHORUS OXYCHLORIDE	6.1	TC3	I	6.1+8	354	0	E0	P602	MP8 MP17	TP2 TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1				CW13 CW28 CW31		X668
1811	POTASSIUM HYDROGENDIFLUORIDE, SOLID	8	CT2	II	8+6.1		1 kg	E2	P002 IBC08	MP10	T3	TP33	SGAN		2	W11		CW13 CW28	CE10	86
1812	POTASSIUM FLUORIDE, SOLID	6.1	T5	III	6.1		5 kg	E1	P002 IBC08 LP02 R001	MP10	T1	TP33	SGAH	TU15	2	VW9		CW13 CW28 CW31	CE11	60
1813	POTASSIUM HYDROXIDE, SOLID	8	C6	II	8		1 kg	E2	P002 IBC08	MP10	T3	TP33	SGAN		2	W11			CE10	80
1814	POTASSIUM HYDROXIDE SOLUTION	8	C5	II	8		1 L	E2	P001 IBC02	MP15	T7	TP2	L4BN		2				CE6	80
1814	POTASSIUM HYDROXIDE SOLUTION	8	C5	III	8		5 L	E1	P001 IBC03 LP01 R001	MP19	T4	TP1	L4BN		3	W12			CE8	80
1815	PROPIONYL CHLORIDE	3	FC	II	3+8		1 L	E2	P001 IBC02	MP19	T7	TP1	L4BH		2				CE7	338
1816	PROPYLTRICHLOROSILANE	8	CF1	II	8+3		0	E0	P010	MP15	T10	TP2 TP7	L4BN		2				CE6	X83
1817	PYROSULPHURYL CHLORIDE	8	C1	II	8		1 L	E2	P001 IBC02	MP15	T8	TP2	L4BN		2				CE6	X80
1818	SILICON TETRACHLORIDE	8	C1	II	8		0	E0	P010	MP15	T10	TP2 TP7	L4BN		2				CE6	X80
1819	SODIUM ALUMINATE SOLUTION	8	C5	II	8		1 L	E2	P001 IBC02	MP15	T7	TP2	L4BN		2				CE6	80
1819	SODIUM ALUMINATE SOLUTION	8	C5	III	8		5 L	E1	P001 IBC03 LP01 R001	MP19	T4	TP1	L4BN		3	W12			CE8	80
1823	SODIUM HYDROXIDE, SOLID	8	C6	II	8		1 kg	E2	P002 IBC08	MP10	T3	TP33	SGAN		2	W11			CE10	80
1824	SODIUM HYDROXIDE SOLUTION	8	C5	II	8		1 L	E2	P001 IBC02	MP15	T7	TP2	L4BN		2				CE6	80

3.2-A-97

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging				Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)		7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)		(16)	(17)	(18)	(19)	(20)
1824	SODIUM HYDROXIDE SOLUTION	8	C5	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12				CE8	80
1825	SODIUM MONOXIDE	8	O6	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN		2	W11				CE10	80
1826	NITRATING ACID MIXTURE, SPENT, with more than 50% nitric acid	8	CO1	I	8+5.1	113	0 E0	P001		MP8 MP17	T10	TP2	L10BH	TU38 TE22	1			CW24			885
1826	NITRATING ACID MIXTURE, SPENT, with not more than 50% nitric acid	8	C1	II	8	113	1 L E2	P001 IBC02		MP15	T8	TP2	L4BN		2			CW24		CE6	80
1827	STANNIC CHLORIDE, ANHYDROUS	8	C1	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2					CE6	X80
1828	SULPHUR CHLORIDES	8	C1	I	8		0 E0	P602		MP8 MP17	T20	TP2	L10BH	TU38 TE22	1						X88
1829	SULPHUR TRIOXIDE, STABILIZED	8	C1	I	8	623	0 E0	P001		MP8 MP17	T20	TP4 TP26	L10BH	TU32 TU38 TE13 TE22 TT5 TM3	1						X88
1830	SULPHURIC ACID with more than 51% acid	8	C1	II	8		1 L E2	P001 IBC02		MP15	T8	TP2	L4BN		2					CE6	80
1831	SULPHURIC ACID, FUMING	8	CT1	I	8+6.1		0 E0	P602		MP8 MP17	T20	TP2	L10BH	TU38 TE22	1			CW13 CW28			X886
1832	SULPHURIC ACID, SPENT	8	C1	II	8	113	1 L E2	P001 IBC02		MP15	T8	TP2	L4BN		2					CE6	80
1833	SULPHUROUS ACID	8	C1	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2					CE6	80
1834	SULPHURYL CHLORIDE	6.1	TC3	I	6.1+8	354	0 E0	P602		MP8 MP17	T20	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31			X668
1835	TETRAMETHYLAMMONIUM HYDROXIDE SOLUTION	8	C7	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2					CE6	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packing instructions	Special provisions	Mixed packing provisions	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Collis express (express parcels)	Hazard identification No
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3	1.1.3.1c)	7.2.4	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(14)	(15)
1835	TETRAMETHYLAMMONIUM HYDROXIDE SOLUTION	8	C7	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T7	L4BN	3	W12	CE8	80
1836	THIONYL CHLORIDE	8	C1	I	8		0 E0	P802		MP8	T10	L10BH	1			X88
1837	THIOPHOSPHORYL CHLORIDE	8	C1	II	8		1 L E2	P001 IBC02		MP15	T7	L4BN	2		CE6	X80
1838	TITANIUM TETRACHLORIDE	6.1	TC3	I	6.1+8	354	0 E0	P602		MP8	T20	L10CH	1		CW13 CW28 CW31	X668
1839	TRICHLOROACETIC ACID	8	C4	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	SGAN L4BN	2	W11	CE10	80
1840	ZINC CHLORIDE SOLUTION	8	C1	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	L4BN	3	W12	CE8	80
1841	ACETALDEHYDE AMMONIA	9	M11	III	9		5 kg E1	P002 IBC08 LP02 R001	B3 B6	MP10	T1	SGAV	3	VW9	CE11	90
1843	AMMONIUM DINITRO- α -CRESOLATE, SOLID	6.1	T2	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	SGAH	2	W11	CE9	60
1845	Carbon dioxide, solid (Dry ice)	9	M11													
1846	CARBON TETRACHLORIDE	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	L4BH	2		CW13 CW28 CW31	60
1847	POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization	8	C6	II	8	523	1 kg E2	P002 IBC08	B4	MP10	T3	SGAN L4BN	2	W11	CE10	80
1848	PROPIONIC ACID with not less than 10% and less than 90% acid by mass	8	C3	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	L4BN	3	W12	CE8	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Coils express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.2.5.2, 4.2.5.3, 7.3.2	4.3	1.1.3.10	7.2.4	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a) (9b)	(12)	(13)	(16)	(17)	(18)
1849	SODIUM SULPHIDE, HYDRATED with not less than 30% water	8	C6	II	8	523	1 kg E2	P002 IBC08	T3 TP33	SGAN L4BN	2	W11		80
1851	MEDICINE, LIQUID, TOXIC, N.O.S.	6.1	T1	II	6.1	221 601	100 E4 ml	P001		L4BH	2			60
1851	MEDICINE, LIQUID, TOXIC, N.O.S.	6.1	T1	III	6.1	221 601	5 L E1	P001 LP01 R001		L4BH	2			60
1854	BARIUM ALLOYS, PYROPHORIC	4.2	S4	I	4.2		0 E0	P404	T21 TP33		0	W1		43
1855	CALCIUM, PYROPHORIC or CALCIUM ALLOYS, PYROPHORIC	4.2	S4	I	4.2		0 E0	P404			0	W1		43
1856	Rags, oily	4.2	S2											
1857	Textile waste, wet	4.2	S2											
1858	HEXAFLUOROPROPYLENE (REFRIGERANT GAS R 1216)	2	2A		2.2 (+13)		120 ml	P200	MP9 (M)	PxBN(M)	3		CW9 CW10 CW36	20
1859	SILICON TETRAFLUORIDE	2	2TC		2.3+8 (+13)		0 E0	P200	MP9 (M)	PxBH(M)	1		CW9 CW10 CW36	268
1860	VINYL FLUORIDE, STABILIZED	2	2F		2.1 (+13)		0 E0	P200	MP9 (M)	PxBN(M)	2		CW9 CW10 CW36	239
1862	ETHYL CROTONATE	3	F1	II	3		1 L E2	P001 IBC02 R001	T4 TP2	LGBF	2			33
1863	FUEL, AVIATION, TURBINE ENGINE	3	F1	I	3	363	500 ml E3	P001	T11 TP1 TP8 TP28	L4BN	1			33
1863	FUEL, AVIATION, TURBINE ENGINE (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	363 640C	1 L E2	P001	T4 TP1 TP8	L1.5BN	2			33

3.2-A-100

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1863	FUEL, AVIATION, TURBINE ENGINE (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	363 640D	1 L E2	P001 IBC02 R001		MP19	T4	TP1 TP8	LGBF		2				CE7	33
1863	FUEL, AVIATION, TURBINE ENGINE	3	F1	III	3	363	5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1865	n-PROPYL NITRATE	3	F1	II	3		1 L E2	P001 IBC02 R001	B7	MP19					2				CE7	33
1866	RESIN SOLUTION, flammable	3	F1	I	3		500 ml E3	P001		MP7 MP17	T11 TP8 TP28	TP1 TP8	L4BN		1					33
1866	RESIN SOLUTION, flammable (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	640C	5 L E2	P001	PP1	MP19	T4	TP1 TP8	L1.5BN		2				CE7	33
1866	RESIN SOLUTION, flammable (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	640D	5 L E2	P001 IBC02 R001	PP1	MP19	T4	TP1 TP8	LGBF		2				CE7	33
1866	RESIN SOLUTION, flammable	3	F1	III	3	640E	5 L E1	P001 IBC03 LP01 R001	PP1	MP19	T2	TP1	LGBF		3	W12			CE4	30
1866	RESIN SOLUTION, flammable (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	640F	5 L E1	P001 LP01 R001	PP1	MP19	T2	TP1	L4BN		3				CE4	33
1866	RESIN SOLUTION, flammable (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C)	3	F1	III	3	640G	5 L E1	P001 LP01 R001	PP1	MP19	T2	TP1	L1.5BN		3				CE4	33
1866	RESIN SOLUTION, flammable (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	640H	5 L E1	P001 IBC02 LP01 R001	PP1	MP19	T2	TP1	LGBF		3				CE4	33
1868	DECABORANE	4.1	FT2	II	4.1+6.1		1 kg E2	P002 IBC06		MP10	T3	TP33	SGAN		2	W1		CW28	CE10	46

3.2-A-101

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Collis express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct- tions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3	4.3.5, 6.8.4	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(10)	(11)	(12)	(13)	(14)
1869	MAGNESIUM or MAGNESIUM ALLOYS with more than 50% magnesium in pellets, turnings or ribbons	4.1	F3	III	4.1	59	5 kg E1	P002 IBC08 LP02 R001	MP11	T1	TP33	SGAV	W1	40
1870	POTASSIUM BOROHYDRIDE	4.3	W2	I	4.3		0 E0	P403	MP2					
1871	TITANIUM HYDRIDE	4.1	F3	II	4.1		1 kg E2	P410 IBC04	MP11	T3	TP33	SGAN	W1	40
1872	LEAD DIOXIDE	5.1	OT2	III	5.1+6.1		5 kg E1	P002 IBC08 LP02 R001	MP2	T1	TP33	SGAN	W1	56
1873	PERCHLORIC ACID with more than 50% but not more than 72% acid, by mass	5.1	OC1	I	5.1+8	60	0 E0	P502	MP3	T10	TP1	L4DN(+)	W1	558
1884	BARIUM OXIDE	6.1	T5	III	6.1		5 kg E1	P002 IBC08 LP02 R001	MP10	T1	TP33	SGAH L4BH	W1	60
1885	BENZIDINE	6.1	T2	II	6.1		500 g E4	P002 IBC08	MP10	T3	TP33	SGAH L4BH	W1	60
1886	BENZYLIDENE CHLORIDE	6.1	T1	II	6.1		100 ml E4	P001 IBC02	MP15	T7	TP2	L4BH	W1	60
1887	BROMOCHLOROMETHANE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001	MP19	T4	TP1	L4BH	W1	60
1888	CHLOROFORM	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001	MP19	T7	TP2	L4BH	W1	60
1889	CYANOGEN BROMIDE	6.1	TC2	I	6.1+8		0 E5	P002	MP18	T6	TP33	S10AH L10CH	W1	668

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage				Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling			
(1)	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3		
1891	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)		
	ETHYL BROMIDE	6.1	T1	II	6.1		100 ml	P001 IBC02	MP15 B8	T7	TP2	L4BH	TU15	2				CE5	60		
1892	ETHYLDICHLOROARSINE	6.1	T3	I	6.1	354	0	P602	MP8 MP17	T20	TP2 TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1					66		
1894	PHENYLMERCURIC HYDROXIDE	6.1	T3	II	6.1		500 g	P002 IBC08	MP10 B4	T3	TP33	SGAH	TU15	2	W11			CE9	60		
1895	PHENYLMERCURIC NITRATE	6.1	T3	II	6.1		500 g	P002 IBC08	MP10 B4	T3	TP33	SGAH	TU15	2	W11			CE9	60		
1897	TETRACHLOROETHYLENE	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001	MP19	T4	TP1	L4BH	TU15	2	W12			CE8	60		
1898	ACETYL IODIDE	8	C3	II	8		1 L	P001 IBC02	MP15	T7	TP2	L4BN		2				CE6	80		
1902	DIISOCTYL ACID PHOSPHATE	8	C3	III	8		5 L	P001 IBC03 LP01 R001	MP19	T4	TP1	L4BN		3	W12			CE8	80		
1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	8	C9	I	8	274	0	P001	MP8 MP17			L10BH TE22	TU38 TE22	1					88		
1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	8	C9	II	8	274	1 L	P001 IBC02	MP15			L4BN		2				CE6	80		
1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	8	C9	III	8	274	5 L	P001 IBC03 LP01 R001	MP19			L4BN		3	W12			CE8	80		
1905	SELENIC ACID	8	C2	I	8		0	P002 IBC07	MP18	T6	TP33	S10AN		1	W10				88		
1906	SLUDGE ACID	8	C1	II	8		1 L	P001 IBC02	MP15	T8	TP2 TP28	L4BN		2				CE6	80		

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers	RID Tanks		Transport category	Special provisions for carriage			Collis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions		Tank code	Special provisions		Packages	Bulk	Loading unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1907	SODA LIME with more than 4% sodium hydroxide	8	C6	III	8	62	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	3		VW9		CE11	80
1908	CHLORITE SOLUTION	8	C9	II	8	521	1 L E2	P001 IBC02		MP15	T7	TP2 L4BV(+)	TE11	2				CE6	80
1908	CHLORITE SOLUTION	8	C9	III	8	521	5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP2 L4BV(+)	TE11	3	W12			CE8	80
1910	Calcium oxide	8	C6																
1911	DIBORANE	2	2TF		2.3+2.1		0	E0	P200	MP9				1			CW9 CW10 CW36		263
1912	METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE	2	2F		2.1 (+13)	228	0	E0	P200	MP9	T50 (M)	PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1913	NEON, REFRIGERATED LIQUID	2	3A		2.2 (+13)	593	120 ml	E1	P203	MP9	T75	RxBN	TU19 TA4 TT9 TM6	3	W5		CW9 CW11 CW30 CW36	CE2	22
1914	BUTYL PROPIONATES	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001	MP19	T2	LGBF		3	W12			CE4	30
1915	CYCLOHEXANONE	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001	MP19	T2	LGBF		3	W12			CE4	30
1916	2,2-DICHLORODIETHYL ETHER	6.1	TF1	II	6.1+3		100 ml	E4	P001 IBC02	MP15	T7	L4BH	TU15	2			CW13 CW28 CW31	CE5	63
1917	ETHYL ACRYLATE, STABILIZED	3	F1	I	3		1 L	E2	P001 IBC02 R001	MP19	T4	LGBF		2				CE7	339

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		R.D. Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3	4.3	4.3.5 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1918	ISOPROPYLBENZENE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1919	METHYL ACRYLATE, STABILIZED	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	339
1920	NONANES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
1921	PROPYLENEIMINE, STABILIZED	3	FT1	I	3+6.1		0 E0	P001		MP2	T14	TP2	L15CH	TU14 TU15 TU38 TE21 TE22 TE25	1		CW13 CW28		336	
1922	PYRROLIDINE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338
1923	CALCIUM DITHIONITE (CALCIUM HYDROSULPHITE)	4.2	S4	II	4.2		0 E2	P410 IBC06		MP14	T3	TP33	SGAN		2	W1			CE10	40
1928	METHYL MAGNESIUM BROMIDE IN ETHYL ETHER	4.3	WF1	I	4.3+3		0 E0	P402	RR8	MP2			L10DH	TU4 TU14 TU22 TU38 TE21 TE22 TM2	0	W1		CW23	X323	
1929	POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)	4.2	S4	II	4.2		0 E2	P410 IBC06		MP14	T3	TP33	SGAN		2	W1			CE10	40
1931	ZINC DITHIONITE (ZINC HYDROSULPHITE)	9	M11	III	9		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3		VW9	CW31	CE11	90

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Coils express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.2.5.2, 4.2.5.3 7.3.2	4.3	1.1.3.1c	7.2.4	7.3.3	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a) (9b)	(10) (11)	(12)	(13)	(14)	(15)
1932	ZIRCONIUM SCRAP	4.2	S4	III	4.2	524 592	0 E1	P002 IBC08 LP02 R001	MP14 T1	TP33	SGAN	W1	VW4	CE11
1935	CYANIDE SOLUTION, N.O.S.	6.1	T4	I	6.1	274 525	0 E5	P001	MP8 MP17	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	W12	CE8
1935	CYANIDE SOLUTION, N.O.S.	6.1	T4	II	6.1	274 525	100 ml	P001 IBC02	MP15	TP2 TP27	L4BH	TU15	W12	CE5
1935	CYANIDE SOLUTION, N.O.S.	6.1	T4	III	6.1	274 525	5 L	P001 IBC03 LP01 R001	MP19	TP2 TP28	L4BH	TU15	W12	CE8
1938	BROMOACETIC ACID SOLUTION	8	C3	II	8		1 L	P001 IBC02	MP15	TP2	L4BN			CE6
1938	BROMOACETIC ACID SOLUTION	8	C3	III	8		5 L	P001 IBC02 LP01 R001	MP19	TP2	L4BN			CE8
1939	PHOSPHORUS OXYBROMIDE	8	C2	II	8		1 kg	P002 IBC08	MP10	TP33	SGAN	W11		CE10
1940	THIOGLYCOLIC ACID	8	C3	II	8		1 L	P001 IBC02	MP15	TP2	L4BN			CE6
1941	DIBROMODIFLUOROMETHANE	9	M11	III	9		5 L	P001 LP01 R001	MP15	TP2	L4BN			CE8
1942	AMMONIUM NITRATE with not more than 0.2% total combustible material, including any organic substance calculated as carbon, to the exclusion of any other added substance	5.1	O2	III	5.1	306 611	5 kg	P002 IBC08 LP02 R001	MP10 BK1 BK2	TP33	SGAV	TU3	VW8	CE11
1944	MATCHES, SAFETY (book, card or strike on box)	4.1	F1	III	4.1	293	5 kg	P407 R001	MP11			W1		CE11

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1945	MATCHES, WAX 'VESTA'	4.1	F1	III	4.1	293	5 kg E1	P407 R001		MP11					4	W1			CE11	40
1950	AEROSOLS, asphyxiant	2	5A		2.2	190 327 344 625	1 L E0	P207 LP02	PP87 RR6 L2	MP9					3	W14		CW9 CW12	CE2	20
1950	AEROSOLS, corrosive	2	5C		2.2+8	190 327 344 625	1 L E0	P207 LP02	PP87 RR6 L2	MP9					1	W14		CW9 CW12	CE2	28
1950	AEROSOLS, corrosive, oxidizing	2	5CO		2.2+ 5.1+8	190 327 344 625	1 L E0	P207 LP02	PP87 RR6 L2	MP9					1	W14		CW9 CW12	CE2	285
1950	AEROSOLS, flammable	2	5F		2.1	190 327 344 625	1 L E0	P207 LP02	PP87 RR6 L2	MP9					2	W14		CW9 CW12	CE2	23
1950	AEROSOLS, flammable, corrosive	2	5FC		2.1+8	190 327 344 625	1 L E0	P207 LP02	PP87 RR6 L2	MP9					1	W14		CW9 CW12	CE2	238
1950	AEROSOLS, oxidizing	2	5O		2.2+5.1	190 327 344 625	1 L E0	P207 LP02	PP87 RR6 L2	MP9					3	W14		CW9 CW12	CE2	25
1950	AEROSOLS, toxic	2	5T		2.2+ 6.1	190 327 344 625	120 ml E0	P207 LP02	PP87 RR6 L2	MP9					1	W14		CW9 CW12 CW28		26
1950	AEROSOLS, toxic, corrosive	2	5TC		2.2+ 6.1+8	190 327 344 625	120 ml E0	P207 LP02	PP87 RR6 L2	MP9					1	W14		CW9 CW12 CW28		268

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1,1,3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1950	AEROSOLS, toxic, flammable	2	5TF		2.1+ 6.1	190 327 344 625	120 E0 ml	P207 LP02	PP87 RR6 L2	MP9					1	W14		CW9 CW12 CW28		263
1950	AEROSOLS, toxic, flammable, corrosive	2	5TFC		2.1+ 6.1+8	190 327 344 625	120 E0 ml	P207 LP02	PP87 RR6 L2	MP9					1	W14		CW9 CW12 CW28		263
1950	AEROSOLS, toxic, oxidizing	2	5TO		2.2+ 5.1+ 6.1	190 327 344 625	120 E0 ml	P207 LP02	PP87 RR6 L2	MP9					1	W14		CW9 CW12 CW28		265
1950	AEROSOLS, toxic, oxidizing, corrosive	2	5TOC		2.2+ 5.1+ 6.1+8	190 327 344 625	120 E0 ml	P207 LP02	PP87 RR6 L2	MP9					1	W14		CW9 CW12 CW28		265
1951	ARGON, REFRIGERATED LIQUID	2	3A		2.2 (+13)	593	120 ml	P203		MP9	T75	TP5	RxBN	TU19 TA4 TT9 TM6	3	W5		CW9 CW11 CW30 CW36	CE2	22
1952	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with not more than 9% ethylene oxide	2	2A		2.2 (+13)		120 ml	P200		MP9	(M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1953	COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.	2	1TF		2.3+2.1 (+13)	274	0 E0	P200		MP9	(M)		CxBH(M)	TU6 TU38 TE22 TE25 TA4 TT9	1			CW9 CW10 CW36		263
1954	COMPRESSED GAS, FLAMMABLE, N.O.S.	2	1F		2.1 (+13)	274 660	0 E0	P200		MP9	(M)		CxBN(M)	TU38 TE22 TA4 TT9	2			CW9 CW10 CW36	CE3	23

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading unloading and handling	
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
1955	COMPRESSED GAS, TOXIC, N.O.S.	2	1T		2.3 (+13)	274	0	P200		MP9	(M)		CxBH(M)	TU6 TU38 TE22 TE25 TA4 TT9	1			CW9 CW10 CW36	26
1956	COMPRESSED GAS, N.O.S.	2	1A		2.2 (+13)	274 655	120 ml	P200		MP9	(M)		CxBN(M)	TA4 TT9	3			CW9 CW10 CW36	20
1957	DEUTERIUM, COMPRESSED	2	1F		2.1 (+13)		0	P200		MP9	(M)		CxBN(M)	TU38 TE22 TA4 TT9	2			CW9 CW10 CW36	23
1958	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 114)	2	2A		2.2 (+13)		120 ml	P200		MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	20
1959	1,1-DIFLUOROETHYLENE (REFRIGERANT GAS R 1132a)	2	2F		2.1 (+13)		0	P200		MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	239
1961	ETHANE, REFRIGERATED LIQUID	2	3F		2.1 (+13)		0	P203		MP9	T75	TP5	RxBN	TU18 TU38 TE22 TA4 TT9 TM6	2	W5		CW9 CW11 CW30 CW36	223
1962	ETHYLENE	2	2F		2.1 (+13)		0	P200		MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	23
1963	HELIUM, REFRIGERATED LIQUID	2	3A		2.2 (+13)	593	120 ml	P203		MP9	T75	TP5 TP34	RxBN	TU19 TA4 TT9 TM6	3	W5		CW9 CW11 CW30 CW36	22

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1964	HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S.	2	1F		2.1 (+13)	274	0	P200		MP9	(M)		CxBN(M)	TU38 TE22 TA4 TT9	2			CW9 CW10 CW36	CE3	23
1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. such as mixtures A, A01, A02, A0, A1, B1, B2, B or C	2	2F		2.1 (+13)	274 583 660	0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1966	HYDROGEN, REFRIGERATED LIQUID	2	3F		2.1 (+13)		0	P203		MP9	T75	TP5 TP23 TP34	RxBN	TU18 TU38 TE22 TA4 TT9 TM6	2	W5		CW9 CW11 CW30 CW36	CE2	223
1967	INSECTICIDE GAS, TOXIC, N.O.S.	2	2T		2.3 (+13)	274	0	P200		MP9	(M)		PxBH(M)	TU6 TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		26
1968	INSECTICIDE GAS, N.O.S.	2	2A		2.2 (+13)	274	120 ml	P200		MP9	(M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1969	ISOBUTANE	2	2F		2.1 (+13)	657 660	0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1970	KRYPTON, REFRIGERATED LIQUID	2	3A		2.2 (+13)	593	120 ml	P203		MP9	T75	TP5	RxBN	TU19 TA4 TT9 TM6	3	W5		CW9 CW11 CW30 CW36	CE2	22

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Package	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	53.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1971	METHANE, COMPRESSED or NATURAL GAS, COMPRESSED with high methane content	2	1F		2.1 (+13)	660	0	P200		MP9	(M)		CxBN(M)	TU38 TE22 TA4 TT9	2			CW9 CW10 CW36	CE3	23
1972	METHANE, REFRIGERATED LIQUID or NATURAL GAS, REFRIGERATED LIQUID with high methane content	2	3F		2.1 (+13)		0	P203		MP9	T75	TP5	RxBN	TU18 TU38 TE22 TA4 TT9 TM6	2	W5		CW9 CW11 CW30 CW36	CE2	223
1973	CHLORODIFLUOROMETHANE AND CHLOROPENTAFLUOROETHANE MIXTURE with fixed boiling point, with approximately 49% chlorodifluoromethane (REFRIGERANT GAS R 502)	2	2A		2.2 (+13)		120 ml	P200		MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1974	CHLORODIFLUOROBROMOMETHANE (REFRIGERANT GAS R 12B ¹)	2	2A		2.2 (+13)		120 ml	P200		MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1975	NITRIC OXIDE AND DINITROGEN TETROXIDE MIXTURE (NITRIC OXIDE AND NITROGEN DIOXIDE MIXTURE)	2	2TOC		2.3+5.1+8		0	P200		MP9					1			CW9 CW10 CW36		265
1976	OCTAFLUOROCYCLOBUTANE (REFRIGERANT GAS RC 318)	2	2A		2.2 (+13)		120 ml	P200		MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1977	NITROGEN, REFRIGERATED LIQUID	2	3A		2.2 (+13)	345 346 593	120 ml	P203		MP9	T75	TP5	RxBN	TU19 TA4 TT9 TM6	3	W5		CW9 CW11 CW30 CW36	CE2	22
1978	PROPANE	2	2F		2.1 (+13)	657 660	0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
1982	TETRAFLUOROMETHANE (REFRIGERANT GAS R 14)	2	2A		2.2 (+13)		120 ml	P200		MP9	(M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1983	1-CHLORO-2,2,2-TRIFLUOROETHANE (REFRIGERANT GAS R 133a)	2	2A		2.2 (+13)		120 ml	P200		MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1984	TRIFLUOROMETHANE (REFRIGERANT GAS R 23)	2	2A		2.2 (+13)		120 ml	P200		MP9	(M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	FT1	I	3+6.1	274	0	P001		MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	FT1	II	3+6.1	274	1 L	P001 IBC02		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	CE7	336
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	FT1	III	3+6.1	274	5 L	P001 IBC03 R001		MP19	T7	TP1 TP28	L4BH	TU15	3	W12		CW13 CW28	CE4	36
1987	ALCOHOLS, N.O.S. (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	274 601 640C	1 L	P001		MP19	T7	TP1 TP8 TP28	L1.5BN		2				CE7	33
1987	ALCOHOLS, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	274 601 640D	1 L	P001 IBC02 R001		MP19	T7	TP1 TP8 TP28	LGBF		2				CE7	33
1987	ALCOHOLS, N.O.S.	3	F1	III	3	274 601	5 L	P001 IBC03 LP01 R001		MP19	T4	TP1 TP29	LGBF		3	W12			CE4	30
1988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3	FT1	I	3+6.1	274	0	P001		MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
1988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3	FT1	II	3+6.1	274	1 L	P001 IBC02		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	CE7	336
1988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3	FT1	III	3+6.1	274	5 L	P001 IBC03 R001		MP19	T7	TP1 TP28	L4BH	TU15	3	W12		CW13 CW28	CE4	36

3.2-A-112

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.					
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provisions	Tank code Special provisions		Packages	Bulk	Loading, unloading and handling							
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5, 6.8.4	7.2.4	7.3.3	7.5.11	5.3.2.3				
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)		
1989	ALDEHYDES, N.O.S.	3	F1	I	3	274	0	E3	P001	MP7	T11	TP1	L4BN				1			33	
1989	ALDEHYDES, N.O.S. (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	274	1L	E2	P001	MP19	T7	TP1	L1.5BN				2			CE7	33
1989	ALDEHYDES, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	274	1L	E2	P001	MP19	T7	TP1	LGBF				2			CE7	33
1989	ALDEHYDES, N.O.S.	3	F1	III	3	274	5L	E1	P001	MP19	T4	TP1	LGBF		W12		3			CE4	30
1990	BENZALDEHYDE	9	M11	III	9		5L	E1	P001	MP15	T2	TP1	LGBV		W12		3			CE8	90
1991	CHLOROPRENE, STABILIZED	3	FT1	I	3+6.1		0	E0	P001	MP7	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22			1				336
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	FT1	I	3+6.1	274	0	E0	P001	MP7	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22			1				336
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	FT1	II	3+6.1	274	1L	E2	P001	MP19	T7	TP2	L4BH	TU15			2			CE7	336
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	FT1	III	3+6.1	274	5L	E1	P001	MP19	T7	TP1	L4BH	TU15	W12		3			CE4	36
1993	FLAMMABLE LIQUID, N.O.S.	3	F1	I	3	274	0	E3	P001	MP7	T11	TP1	L4BN				1				33
1993	FLAMMABLE LIQUID, N.O.S. (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	274	1L	E2	P001	MP19	T7	TP1	L1.5BN				2			CE7	33

3.2-A-113

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
1993	FLAMMABLE LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	274 601 640D	1 L E2	P001 IBC02 R001		MP19	T7	TP1 TP8 TP28	LGBF		2				33
1993	FLAMMABLE LIQUID, N.O.S.	3	F1	III	3	274 601 640E	5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP29	LGBF		3	W12			30
1993	FLAMMABLE LIQUID, N.O.S. (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	274 601 640F	5 L E1	P001 LP01 R001		MP19	T4	TP1 TP29	L4BN		3				33
1993	FLAMMABLE LIQUID, N.O.S. (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C)	3	F1	III	3	274 601 640G	5 L E1	P001 LP01 R001		MP19	T4	TP1 TP29	L1.5BN		3				33
1993	FLAMMABLE LIQUID, N.O.S. (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa)	3	F1	III	3	274 601 640H	5 L E1	P001 IBC02 LP01 R001		MP19	T4	TP1 TP29	LGBF		3				33
1994	IRON PENTACARBONYL	6.1	TF1	I	6.1+3	354	0	P601		MP2	T22	TP2	L15CH	TU14 TU15 TU31 TU38 TE21 TE22 TE25 TM3	1		CW13 CW28 CW31		663
1999	TARS, LIQUID, including road oils, and cutback bitumens (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	640C	5 L E2	P001		MP19	T3	TP3 TP29	L1.5BN		2				33
1999	TARS, LIQUID, including road oils, and cutback bitumens (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	640D	5 L E2	P001 IBC02 R001		MP19	T3	TP3 TP29	LGBF		2				33

3.2-A-114

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
1999	TARS, LIQUID, including road oils, and cutback bitumens	3	F1	III	3	640E	5 L	P001 IBC03 LP01 R001		MP19	T1	TP3	LGBF		3	W12			CE4	30
1999	TARS, LIQUID, including road oils, and cutback bitumens (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (boiling point not more than 35 °C)	3	F1	III	3	640F	5 L	P001 LP01 R001		MP19	T1	TP3	L4BN		3				CE4	33
1999	TARS, LIQUID, including road oils, and cutback bitumens (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C)	3	F1	III	3	640G	5 L	P001 LP01 R001		MP19	T1	TP3	L1.5BN		3				CE4	33
1999	TARS, LIQUID, including road oils, and cutback bitumens (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C not more than 110 kPa)	3	F1	III	3	640H	5 L	P001 IBC02 LP01 R001		MP19	T1	TP3	LGBF		3				CE4	33
2000	CELLULOID in block, rods, rolls, sheets, tubes, etc., except scrap	4.1	F1	III	4.1	502	5 kg	P002 LP02 R001	PP7	MP11					3	W1			CE11	40
2001	COBALT NAPHTHENATES, POWDER	4.1	F3	III	4.1		5 kg	P002 IBC08 LP02 R001	B3	MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40
2002	CELLULOID, SCRAP	4.2	S2	III	4.2	526 592	0	P002 IBC08 LP02 R001	PP8 B3	MP14					3	W1			CE11	40
2004	MAGNESIUM DIAMIDE	4.2	S4	II	4.2		0	P410 IBC06		MP14	T3	TP33	SGAN		2	W1			CE10	40
2006	PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S.	4.2	S2	III	4.2	274 528	0	P002 R001		MP14					3	W1			CE11	40
2008	ZIRCONIUM POWDER, DRY	4.2	S4	I	4.2	524 540	0	P404		MP13	T21	TP7 TP33			0	W1				43

3.2-A-115

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colis express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct-ions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.3	1.1.3.1c	7.2.4	7.3.3	7.5.11
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a) (9b)	(10) (11)	(12) (13)	(16) (17)	(18)	(19) (20)
2008	ZIRCONIUM POWDER, DRY	4.2	S4	II	4.2	524 540	0 E2	P410 IBC06	MP14	TP33	2	W1		CE10 40
2008	ZIRCONIUM POWDER, DRY	4.2	S4	III	4.2	524 540	0 E1	P002 IBC08 LP02 R001	MP14	TP33	3	W1	VW4	CE11 40
2009	ZIRCONIUM, DRY, finished sheets, strip or coiled wire	4.2	S4	III	4.2	524 592	0 E1	P002 LP02 R001	MP14		3	W1	VW4	CE11 40
2010	MAGNESIUM HYDRIDE	4.3	W2	I	4.3		0 E0	P403	MP2		1	W1	CW23	X423
2011	MAGNESIUM PHOSPHIDE	4.3	WT2	I	4.3+6.1		0 E0	P403	MP2		1	W1	CW23	X462
2012	POTASSIUM PHOSPHIDE	4.3	WT2	I	4.3+6.1		0 E0	P403	MP2		1	W1	CW23	X462
2013	STRONTIUM PHOSPHIDE	4.3	WT2	I	4.3+6.1		0 E0	P403	MP2		1	W1	CW23	X462
2014	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)	5.1	OC1	II	5.1+8		1 L	P504 IBC02	MP15	TP2 TP6 TP24	2		CW24	CE6 58
2015	HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED with more than 70% hydrogen peroxide	5.1	OC1	I	5.1+8	640N	0 E0	P501	MP2	TP2 TP6 TP24	1	W5	CW24	559
2015	HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED with more than 60% hydrogen peroxide and not more than 70% hydrogen peroxide	5.1	OC1	I	5.1+8	640O	0 E0	P501	MP2	TP2 TP6 TP24	1	W5	CW24	559

3.2-A-116

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage				Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling			
(1)	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1e)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2016	AMMUNITION, TOXIC, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	6.1	T2	II	6.1		0	E0	P600		MP10					2			CW13 CW28 CW31	CE9	60
2017	AMMUNITION, TEAR-PRODUCING, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	6.1	TC2	II	6.1+8		0	E0	P600							2			CW13 CW28 CW31		68
2018	CHLOROANILINES, SOLID	6.1	T2	II	6.1		500 g	E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
2019	CHLOROANILINES, LIQUID	6.1	T1	II	6.1		100 ml	E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2020	CHLOROPHENOLS, SOLID	6.1	T2	III	6.1	205	5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2021	CHLOROPHENOLS, LIQUID	6.1	T1	III	6.1		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2022	CRESYLIC ACID	6.1	TC1	II	6.1+8		100 ml	E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	68
2023	EPICHLOROHYDRIN	6.1	TF1	II	6.1+3	279	100 ml	E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	63
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1	T4	I	6.1	43 274	0	E5	P001		MP8 MP17			L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1	T4	II	6.1	43 274	100 ml	E4	P001 IBC02		MP15			L4BH	TU15	2			CW13 CW28 CW31	CE5	60

3.2-A-117

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1	T4	III	6.1	43 274	5 L E1	P001 IBC03 LP01 R001		MP19			L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1	T5	I	6.1	43 274 529 585	0 E5	P002 IBC07		MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31		66
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1	T5	II	6.1	43 274 529 585	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1	T5	III	6.1	43 274 529 585	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	T3	I	6.1	43 274	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	T3	II	6.1	43 274	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1	T3	III	6.1	43 274	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2027	SODIUM ARSENITE, SOLID	6.1	T5	II	6.1	43	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
2028	BOMBS, SMOKE, NON-EXPLOSIVE with corrosive liquid, without initiating device	8	C11	II	8		0 E0	P803							2					80
2029	HYDRAZINE, ANHYDROUS	8	CFT	I	8+3+6.1		0 E0	P001		MP8 MP17					1			CW13 CW28		886
2030	HYDRAZINE AQUEOUS SOLUTION, with more than 37% hydrazine by mass	8	CT1	I	8+6.1	530	0 E0	P001		MP8 MP17	T10	TP2	L10BH	TU38 TE22	1			CW13 CW28		886

3.2-A-118

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2030	HYDRAZINE AQUEOUS SOLUTION, with more than 37% hydrazine by mass	8	CT1	II	8+6.1	530	1 L	E2	P001 IBC02	MP15	T7	TP2	L4BN		2			CW13 CW28	CE6	86
2030	HYDRAZINE AQUEOUS SOLUTION, with more than 37% hydrazine by mass	8	CT1	III	8+6.1	530	5 L	E1	P001 IBC03 LP01 R001	MP19	T4	TP1	L4BN		3	W12		CW13 CW28	CE6	86
2031	NITRIC ACID, other than red fuming, with more than 70% nitric acid	8	CO1	I	8+5.1	0	E0		P001 PP81	MP8 MP17	T10	TP2	L10BH	TU38 TC6 TE22 TT1	1			CW24		885
2031	NITRIC ACID, other than red fuming, with at least 65%, but not more than 70% nitric acid	8	CO1	II	8+5.1	1 L	E2		P001 IBC02	MP15	T8	TP2	L4BN		2				CE6	85
2031	NITRIC ACID, other than red fuming, with less than 65% nitric acid	8	C1	II	8	1 L	E2		P001 IBC02	MP15	T8	TP2	L4BN		2				CE6	80
2032	NITRIC ACID, RED FUMING	8	COT	I	8+5.1+6.1	0	E0	P602		MP8 MP17	T20	TP2	L10BH	TU38 TC6 TE22 TT1	1			CW13 CW24 CW28		856
2033	POTASSIUM MONOXIDE	8	C6	II	8	1 kg	E2		P002 IBC08	MP10	T3	TP33	SGAN		2	W11			CE10	80
2034	HYDROGEN AND METHANE MIXTURE, COMPRESSED	2	1F		2.1 (+13)	0	E0	P200		MP9	(M)		CxBN(M)	TU38 TE22 TA4 TT9	2			CW9 CW10 CW36	CE3	23
2035	1,1,1-TRIFLUOROETHANE (REFRIGERANT GAS R 143a)	2	2F		2.1 (+13)	0	E0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
2036	XENON	2	2A		2.2 (+13)	120 ml	E1	P200		MP9	(M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable	2	5A		2.2	191 303 344	1 L	E0	P003 PP17 RR6	MP9					3			CW9 CW12	CE2	20

3.2-A-119

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable	2	5F		2.1	191 303 344	1 L E0	P003	PP17 RR6	MP9					2			CW9 CW12	CE2	23
2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable	2	5O		2.2+5.1	191 303 344	1 L E0	P003	PP17 RR6	MP9					3			CW9 CW12	CE2	25
2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable	2	5T		2.3	303 344	120 E0	P003	PP17 RR6	MP9					1			CW9 CW12		26
2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable	2	5TC		2.3+8	303 344	120 E0	P003	PP17 RR6	MP9					1			CW9 CW12		268
2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable	2	5TF		2.3+2.1	303 344	120 E0	P003	PP17 RR6	MP9					1			CW9 CW12		263
2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable	2	5TFC		2.3+2.1+8	303 344	120 E0	P003	PP17 RR6	MP9					1			CW9 CW12		263
2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable	2	5TO		2.3+5.1	303 344	120 E0	P003	PP17 RR6	MP9					1			CW9 CW12		265
2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable	2	5TOC		2.3+5.1+8	303 344	120 E0	P003	PP17 RR6	MP9					1			CW9 CW12		265
2038	DINITROTOLUENES, LIQUID	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2044	2,2-DIMETHYLPROPANE	2	2F		2.1 (+13)		0 E0	P200		MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
2045	ISOBUTYRALDEHYDE (ISOBUTYL ALDEHYDE)	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33

3.2-A-120

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colis express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct-ions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10 4.2.5.2 7.3.2	4.3	1.1.3.1c)	7.2.4	7.6	53.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a) (9b)	(12)	(13)	(16)	(19)	(20)
2046	CYMENES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	3	W12	CE4	30
2047	DICHLOROPROPENES	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	TP1	2		CE7	33
2047	DICHLOROPROPENES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	3	W12	CE4	30
2048	DICYCLOPENTADIENE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	3	W12	CE4	30
2049	DIETHYLBENZENE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	3	W12	CE4	30
2050	DIISOBUTYLENE, ISOMERIC COMPOUNDS	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	TP1	2		CE7	33
2051	2-DIMETHYLAMINOETHANOL	8	CF1	II	8+3		1 L E2	P001 IBC02	MP15	TP2	2		CE6	83
2052	DIPENTENE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	3	W12	CE4	30
2053	METHYL ISOBUTYL CARBINOL	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	3	W12	CE4	30
2054	MORPHOLINE	8	CF1	I	8+3		0 E0	P001	MP8 MP17	TP2	1			883

3.2-A-121

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
(1)	3.1.2	2.2	(3a)	(4)	(5)	(6)	(7a) (7b)	4.1.4	4.1.4	4.1.10	4.2.5.2, 4.2.5.3, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
2055	STYRENE MONOMER, STABILIZED	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	(9a)	MP19	T2	TP1	LGBF		3	W12			CE4	(20)
2056	TETRAHYDROFURAN	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2057	TRIPROPYLENE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2057	TRIPROPYLENE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2058	VALERALDEHYDE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	D	I	3	198 531	0 E0	P001		MP7 MP17	T11	TP1 TP8 TP27	L4BN		1					33
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose (vapour pressure at 50 °C more than 110 kPa)	3	D	II	3	198 531 640C	1 L E0	P001 IBC02		MP19	T4	TP1 TP8	L1.5BN		2				CE7	33
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose (vapour pressure at 50 °C not more than 110 kPa)	3	D	II	3	198 531 640D	1 L E0	P001 IBC02 R001		MP19	T4	TP1 TP8	LGBF		2				CE7	33
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3	D	III	3	198 531	5 L E0	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.				
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions	Packages	Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5	6.8.4	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)	
2067	AMMONIUM NITRATE BASED FERTILIZER	5.1	O2	III	5.1	186 306 307	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1 BK1 BK2	TP33	SGAV	TU3	3	VW8	CW24	CE11	50	
2071	Ammonium nitrate based fertilizer, uniform mixtures of the nitrogen/phosphate, nitrogen/potash or nitrogen/phosphate/potash type, containing not more than 70% ammonium nitrate and not more than 0.4% total combustible/organic material calculated as carbon or with not more than 45% ammonium nitrate and unrestricted combustible material	9	M11																	
NOT SUBJECT TO RID																				
2073	AMMONIA SOLUTION, relative density less than 0.880 at 15 °C in water, with more than 35% but not more than 50% ammonia	2	4A		2.2 (+13)	532	120 ml	P200		MP9	(M)		PxBN(M)	TA4 TT9 TM6	3		CW9 CW10	CE2	20	
2074	ACRYLAMIDE, SOLID	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2	VW9	CW13 CW28 CW31	CE11	60	
2075	CHLORAL, ANHYDROUS, STABILIZED	6.1	T1	II	6.1		100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2		CW13 CW28 CW31	CE5	69	
2076	CRESOLS, LIQUID	6.1	TC1	II	6.1+8		100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2		CW13 CW28 CW31	CE5	68	
2077	alpha-NAPHTHYLAMINE	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2	VW9	CW13 CW28 CW31	CE11	60	
2078	TOLUENE DIISOCYANATE	6.1	T1	II	6.1	279	100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2		CW13 CW28 CW31	CE5	60	
2079	DIETHYLENETRIAMINE	8	C7	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2			CE6	80	

NOT SUBJECT TO RID

3.2-A-123

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage				Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling			
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
CARRIAGE PROHIBITED																					
2186	HYDROGEN CHLORIDE, REFRIGERATED LIQUID	2	3TC																		
2187	CARBON DIOXIDE, REFRIGERATED LIQUID	2	3A		2.2 (+13)	593	120 ml	E1	P203		MP9	T75	TP5	RxBN	TU19 TA4 TT9 TM6	3	W5		CW9 CW11 CW30 CW36	CE2	22
2188	ARSINE	2	2TF		2.3+2.1		0	E0	P200		MP9					1			CW9 CW10 CW36		263
2189	DICHLOROSILANE	2	2TFC		2.3+2.1+8 (+13)		0	E0	P200		MP9	(M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		263
2190	OXYGEN DIFLUORIDE, COMPRESSED	2	1TOC		2.3+5.1+8		0	E0	P200		MP9					1			CW9 CW10 CW36		265
2191	SULPHURYL FLUORIDE	2	2T		2.3 (+13)		0	E0	P200		MP9	(M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		26
2192	GERMANE	2	2TF		2.3+2.1	632	0	E0	P200		MP9	(M)				1			CW9 CW10 CW36		263
2193	HEXAFLUOROETHANE (REFRIGERANT GAS R 116)	2	2A		2.2 (+13)		120 ml	E1	P200		MP9	(M)		PxBH(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
2194	SELENIUM HEXAFLUORIDE	2	2TC		2.3+8		0	E0	P200		MP9					1			CW9 CW10 CW36		268
2195	TELLURIUM HEXAFLUORIDE	2	2TC		2.3+8		0	E0	P200		MP9					1			CW9 CW10 CW36		268

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct- tions	Special provi- sions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2196	TUNGSTEN HEXAFLUORIDE	2	2TC		2.3+8		0 E0	P200		MP9					1					268
2197	HYDROGEN IODIDE, ANHYDROUS	2	2TC		2.3+8 (+13)		0 E0	P200		MP9	(M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1					268
2198	PHOSPHORUS PENTAFLUORIDE	2	2TC		2.3+8		0 E0	P200		MP9					1					268
2199	PHOSPHINE	2	2TF		2.3+2.1	632	0 E0	P200		MP9					1					263
2200	PROPADIENE, STABILIZED	2	2F		2.1 (+13)		0 E0	P200		MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2				CE3	239
2201	NITROUS OXIDE, REFRIGERATED LIQUID	2	3O		2.2+5.1 (+13)		0 E0	P203		MP9	T75	TP22	RxBN	TU7 TU19 TA4 TT9 TM6	3	W5			CE2	225
2202	HYDROGEN SELENIDE, ANHYDROUS	2	2TF		2.3+2.1		0 E0	P200		MP9					1					263
2203	SILANE	2	2F		2.1 (+13)	632	0 E0	P200		MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2					23

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage				Colis express (express parcels)	Hazard identification No.		
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provisions	Tank code Special provisions		Packages	Bulk	Loading, unloading and handling					
(1)	3.1.2 (2)	2.2 (3a)	2.2 (3b)	2.1.1.3 (4)	5.2.2 (5)	3.3 (6)	3.4/3.5.1.2 (7a) (7b)	4.1.4 (8)	4.1.10 (9a)	4.2.5.2, 4.2.5.3, 7.3.2 (9b)	4.3 (12)	4.3.5, 6.8.4 (13)	1.1.3.1(c) (15)	7.2.4 (16)	7.3.3 (17)	7.5.11 (18)	7.6 (19)	5.3.2.3 (20)	
2204	CARBONYL SULPHIDE	2	21F		2.3+2.1 (+13)		0	P200	MP9	(M)	PXBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1				CW9 CW10 CW36		263
2205	ADIPONITRILE	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001	MP19	T3	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2206	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1	T1	II	6.1	274 551	100 ml	P001 IBC02	MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2206	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1	T1	III	6.1	274 551	5 L	P001 IBC03 LP01 R001	MP19	T7	TP1 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2208	CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 10% but not more than 39% available chlorine	5.1	O2	III	5.1	314	5 kg	P002 IBC08 LP02 R001	MP10		SGAN	TU3	3				CW24 CW35	CE11	50
2209	FORMALDEHYDE SOLUTION with not less than 25% formaldehyde	8	C9	III	8	533	5 L	P001 IBC03 LP01 R001	MP19	T4	TP1	L4BN		3	W12			CE8	80
2210	MANEB or MANEB PREPARATION with not less than 60% maneb	4.2	SW	III	4.2+4.3	273	0	P002 IBC06 R001	MP14	T1	TP33	SGAN		3	W1	VW4		CE11	40
2211	POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour	9	M3	III	None	207 633	5 kg	P002 IBC08 R001	MP10	T1	TP33	SGAN	TE20	3		VW3	CW31	CE11	90
2212	BLUE ASBESTOS (crocidolite) or BROWN ASBESTOS (amosite, myosorite)	9	M1	II	9	168	1 kg	P002 IBC08	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	90

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Coils express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct- ions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.3.5.1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)
2213	PARAFORMALDEHYDE	4.1	F1	III	4.1		5 kg	P002 IBC08 LP02 R001	MP10 B3	TP33 BK1 BK2	3	W1 W13	CE11	40
2214	PHTHALIC ANHYDRIDE with more than 0.05% of maleic anhydride	8	C4	III	8	169	5 kg	P002 IBC08 LP02 R001	MP10 B3	TP33	3	VW9	CE11	80
2215	MALEIC ANHYDRIDE, MOLTEN	8	C3	III	8		0	P002 IBC08 LP02 R001	MP10	TP33	0		CE8	80
2216	MALEIC ANHYDRIDE	8	C4	III	8		5 kg	P002 IBC08 LP02 R001	MP10	TP33	3	VW9	CE11	80
2217	Fish meal (Fish scrap), stabilized	9	M11											
2218	SEED CAKE with not more than 1.5% oil and not more than 11% moisture	4.2	S2	III	4.2	142	0	P002 IBC08 LP02 R001	MP14		3	W1	CE11	40
2219	ACRYLIC ACID, STABILIZED	8	CF1	II	8+3		1 L	P001 IBC02	MP15	TP2	2		CE6	839
2220	ALLYL GLYCIDYL ETHER	3	F1	III	3		5 L	P001 IBC03 LP01 R001	MP19	TP1	3	W12	CE4	30
2221	ANISOLE	3	F1	III	3		5 L	P001 IBC03 LP01 R001	MP19	TP1	3	W12	CE4	30
2222	BENZONITRILE	6.1	T1	II	6.1		100 ml	P001 IBC02	MP15	TP2	2		CE5	60
2223	BENZENESULPHONYL CHLORIDE	8	C3	III	8		5 L	P001 IBC03 LP01 R001	MP19	TP1	3	W12	CE8	80
2224	BENZOTRICHORIDE	8	C9	II	8		1 L	P001 IBC02	MP15	TP2	2		CE6	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9c)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2227	n-BUTYL METHACRYLATE, STABILIZED	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	39
2232	2-CHLOROETHANAL	6.1	T1	I	6.1	354	0 E0	P602		MP8 MP17	T20 TP37	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
2233	CHLOROANISIDINES	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2234	CHLOROBENZOTRIFLUORIDES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2235	CHLOROBENZYL CHLORIDES, LIQUID	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2236	3-CHLORO-4-METHYLPHENYL ISOCYANATE, LIQUID	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15			L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2237	CHLORONITROANILINES	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2238	CHLOROTOLUENES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2239	CHLOROTOLUIDINES, SOLID	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packing instructions	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colis express (express parcels)	Hazard identification No.
	3.1.2	2.2	2.1.1.3	(4)	(5)	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2, 4.2.5.3, 7.3.2	4.3	1.1.3.1c)	7.2.4	7.3.3	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(10)	(12)	(15)	(16)	(17)	(20)
2240	CHROMOSULPHURIC ACID	8	C1	I	8		0	P001	MP8	T10	L10BH	1			88
2241	CYCLOHEPTANE	3	F1	II	3		1 L	P001 IBC02 R001	MP17	T4	LGBF	2		CE7	33
2242	CYCLOHEPTENE	3	F1	II	3		1 L	P001 IBC02 R001	MP19	T4	LGBF	2		CE7	33
2243	CYCLOHEXYL ACETATE	3	F1	III	3		5 L	P001 IBC03 LP01 R001	MP19	T2	LGBF	3	W12	CE4	30
2244	CYCLOPENTANOL	3	F1	III	3		5 L	P001 IBC03 LP01 R001	MP19	T2	LGBF	3	W12	CE4	30
2245	CYCLOPENTANONE	3	F1	III	3		5 L	P001 IBC03 LP01 R001	MP19	T2	LGBF	3	W12	CE4	30
2246	CYCLOPENTENE	3	F1	II	3		1 L	P001 IBC02	MP19	T7	L1.5BN	2		CE7	33
2247	n-DECANE	3	F1	III	3		5 L	P001 IBC03 LP01 R001	MP19	T2	LGBF	3	W12	CE4	30
2248	Di-n-BUTYLAMINE	8	CF1	II	8+3		1 L	P001 IBC02	MP15	T7	L4BN	2		CE6	83
2249	DICHLORODIMETHYL ETHER, SYMMETRICAL	6.1	TF1												
2250	DICHLOROPHENYL ISOCYANATES	6.1	T2	II	6.1		500 g	P002 IBC08	MP10	T3	SGAH L4BH	2	W11	CW13 CW28 CW31	60
2251	BICYCLO[2.2.1]HEPTA-2,5-DIENE, STABILIZED (2,5-NORBORNADIENE, STABILIZED)	3	F1	II	3		1 L	P001 IBC02 R001	MP19	T7	LGBF	2		CE7	339

CARRIAGE PROHIBITED

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage				Coils express (express parcels)	Hazard identification No.			
								Packing instructions Special packing provisions Mixed packing provisions	Instructions Special provisions	Tank code Special provisions			Packages	Bulk	Loading, unloading and handling					
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.16	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2252	1,2-DIMETHOXYETHANE	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	T4	TP1	LGBF			2				CE7	33
2253	N,N-DIMETHYLANILINE	6.1	T1	II	6.1		100 ml E4	P001 IBC02	MP15	T7	TP2	L4BH	TU15		2			CW13 CW28 CW31	CE5	60
2254	MATCHES, FUSEE	4.1	F1	III	4.1	293	5 kg E1	P407 R001	MP11						4	W1			CE11	40
2256	CYCLOHEXENE	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	T4	TP1	LGBF			2				CE7	33
2257	POTASSIUM	4.3	W2	I	4.3		0 E0	P403 IBC04	MP2	T9	TP7 TP33	L10BN(+)	TU1 TE5 TT3 TM2		1	W1		CW23		X423
2258	1,2-PROPYLENEDIAMINE	8	CF1	II	8+3		1 L E2	P001 IBC02	MP15	T7	TP2	L4BN			2				CE6	83
2259	TRIETHYLENETETRAMINE	8	C7	II	8		1 L E2	P001 IBC02	MP15	T7	TP2	L4BN			2				CE6	80
2260	TRIPROPYLAMINE	3	FC	III	3+8		5 L E1	P001 IBC03 R001	MP19	T4	TP1	L4BN			3	W12			CE4	38
2261	XYLENOLS, SOLID	6.1	T2	II	6.1		500 g E4	P002 IBC08	MP10	T3	TP33	SGAH L4BH	TU15		2	W11		CW13 CW28 CW31	CE9	60
2262	DIMETHYLCARBAMOYL CHLORIDE	8	C3	II	8		1 L E2	P001 IBC02	MP15	T7	TP2	L4BN			2				CE6	80
2263	DIMETHYLCYCLOHEXANES	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	T4	TP1	LGBF			2				CE7	33
2264	N,N-DIMETHYLCYCLOHEXYLAMINE	8	CF1	II	8+3		1 L E2	P001 IBC02	MP15	T7	TP2	L4BN			2				CE6	83
2265	N,N-DIMETHYLFORMAMIDE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	MP19	T2	TP2	LGBF			3	W12			CE4	30

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2266	DIMETHYL-N-PROPYLAMINE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP2	L4BH		2				CE7	338
2267	DIMETHYL THIOPHOSPHORYL CHLORIDE	6.1	TC1	II	6.1+8		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	68
2269	3,3'-IMINODIPROPYLAMINE	8	C7	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP2	L4BN		3	W12			CE8	80
2270	ETHYLAMINE, AQUEOUS SOLUTION with not less than 50% but not more than 70% ethylamine	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338
2271	ETHYL AMYL KETONE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2272	N-ETHYLANILINE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2273	2-ETHYLANILINE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2274	N-ETHYL-N-BENZYLANILINE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2275	2-ETHYLBUTANOL	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2276	2-ETHYLHEXYLAMINE	3	FC	III	3+8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE4	38

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2277	ETHYL METHACRYLATE, STABILIZED	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	339
2278	n-HEPTENE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2279	HEXACHLOROBUTADIENE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2280	HEXAMETHYLENEDIAMINE, SOLID	8	C8	III	8		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV L4BN		3		VW9		CE11	80
2281	HEXAMETHYLENE DIISOCYANATE	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2282	HEXANOLS	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2283	ISOBUTYL METHACRYLATE, STABILIZED	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	39
2284	ISOBUTYRONITRILE	3	FT1	II	3+6.1		1 L E2	P001 IBC02		MP19	T7	TP2	L4BH	TU15	2			CW13 CW28	CE7	336
2285	ISOCYANATOBENZOTRIFLUORIDES	6.1	TF1	II	6.1+3		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	63
2286	PENTAMETHYLHEPTANE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2287	ISOHEPTENE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33

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								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2288	ISOHEXENE	3	F1	II	3		1 L E2	P001 IBC02 R001	B8	MP19	T11	TP1	LGBF		2				CE7	33
2289	ISOPHORONEDIAMINE	8	C7	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
2290	ISOPHORONE DIISOCYANATE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP2	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2291	LEAD COMPOUND, SOLUBLE, N.O.S.	6.1	T5	III	6.1	199 274 535	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2293	4-METHOXY-4-METHYLPENTAN-2-ONE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2294	N-METHYLANILINE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2295	METHYL CHLOROACETATE	6.1	TF1	I	6.1+3		0 E5	P001		MP8 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
2296	METHYLCYCLOHEXANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2297	METHYLCYCLOHEXANONE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30

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								Packing instructions Special packing provisions Mixed packing provisions	Instruct-ions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4 4.1.10 4.1.4	4.2.5.2, 4.2.5.3 7.3.2	4.3	1.1.3.1c)	7.2.4 7.3.3 7.5.11	7.5	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a) (9b) (9c)	(10) (11)	(12)	(13)	(14)	(15)
2298	METHYLCYCLOPENTANE	3	F1	II	3		1 L E2	P001 IBC02 R001	TP1	LGBF	2		CE7	33
2299	METHYL DICHLOROACETATE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001	TP1	L4BH	2	W12	CE8	60
2300	2-METHYL-5-ETHYLPYRIDINE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001	TP1	L4BH	2	W12	CE8	60
2301	2-METHYLFURAN	3	F1	II	3		1 L E2	P001 IBC02 R001	TP1	LGBF	2		CE7	33
2302	5-METHYLHEXAN-2-ONE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	TP1	LGBF	3	W12	CE4	30
2303	ISOPROPENYLBENZENE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	TP1	LGBF	3	W12	CE4	30
2304	NAPHTHALENE, MOLTEN	4.1	F2	III	4.1	536	0 E0		TP3	LGBV	3			44
2305	NITROBENZENESULPHONIC ACID	8	C4	II	8		1 kg E2	P002 IBC08	TP33	SGAN L4BN	2	W11	CE10	80
2306	NITROBENZOTRIFLUORIDES, LIQUID	6.1	T1	II	6.1		100 ml E4	P001 IBC02	TP2	L4BH	2		CE5	60
2307	3-NITRO-4-CHLORO-BENZOTRIFLUORIDE	6.1	T1	II	6.1		100 ml E4	P001 IBC02	TP2	L4BH	2		CE9	60
2308	NITROSULPHURIC ACID, LIQUID	8	C1	II	8		1 L E2	P001 IBC02	TP2	L4BN	2		CE6	X80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colli express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct.	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2309	OCTADIENES	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2310	PENTANE-2,4-DIONE	3	FT1	III	3+6.1		5 L E1	P001 IBC03 R001		MP19	T4	TP1	L4BH	TU15	3	W12		CW13 CW28	CE4	36
2311	PHENETIDINES	6.1	T1	III	6.1	279	5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2312	PHENOL, MOLTEN	6.1	T1	II	6.1		0 E0				T7	TP3	L4BH	TU15	0			CW13 CW31		60
2313	PICOLINES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	LGBF		3	W12			CE4	30
2315	POLYCHLORINATED BIPHENYLS, LIQUID	9	M2	II	9	305	1 L E2	P906 IBC02		MP15	T4	TP1	L4BH	TU15	0		VW15	CW13 CW28 CW31	CE5	90
2316	SODIUM CUPROCYANIDE, SOLID	6.1	T5	I	6.1		0 E5	P002 IBC07		MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31		66
2317	SODIUM CUPROCYANIDE SOLUTION	6.1	T4	I	6.1		0 E5	P001		MP8 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
2318	SODIUM HYDROSULPHIDE with less than 25% water of crystallization	4.2	S4	II	4.2	504	0 E2	P410 IBC06		MP14	T3	TP33	SGAN		2	W1			CE10	40
2319	TERPENE HYDROCARBONS, N.O.S.	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP29	LGBF		3	W12			CE4	30
2320	TETRAETHYLENEPENTAMINE	8	C7	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2321	TRICHLOROBENZENES, LIQUID	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2322	TRICHLOROBUTENE	6.1	T1	II	6.1		100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2323	TRIETHYL PHOSPHITE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2324	TRISOBUTYLENE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	LGBF		3	W12			CE4	30
2325	1,3,5-TRIMETHYLBENZENE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2326	TRIMETHYLCYCLO-HEXYLAMINE	8	C7	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
2327	TRIMETHYLHEXAMETHYLENE-DIAMINES	8	C7	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
2328	TRIMETHYLHEXAMETHYLENE DIISOCYANATE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP2	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2329	TRIMETHYL PHOSPHITE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Package	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2330	UNDECANE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2331	ZINC CHLORIDE, ANHYDROUS	8	C2	III	8		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3		VW9		CE11	80
2332	ACETALDEHYDE OXIME	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	LGBF		3	W12			CE4	30
2333	ALLYL ACETATE	3	FT1	II	3+6.1		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH	TU15	2			CW13 CW28	CE7	336
2334	ALLYLAMINE	6.1	TF1	I	6.1+3	364	0 E0	P602		MP8 MP17	T20 TP35	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
2335	ALLYL ETHYL ETHER	3	FT1	II	3+6.1		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH	TU15	2			CW13 CW28	CE7	336
2336	ALLYL FORMATE	3	FT1	I	3+6.1		0 E0	P001		MP7 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
2337	PHENYL MERCAPTAN	6.1	TF1	I	6.1+3	354	0 E0	P602		MP8 MP17	T20 TP35	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
2338	BENZOTRIFLUORIDE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2339	2-BROMOBUTANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Collis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.6	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2340	2-BROMOETHYL ETHER	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2341	1-BROMO-3-METHYLBUTANE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2342	BROMOMETHYLPROPANES	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2343	2-BROMOPENTANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2344	BROMOPROPANES	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2344	BROMOPROPANES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2345	3-BROMOPROPYNE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2346	BUTANEDIONE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2347	BUTYL MERCAPTAN	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2348	BUTYL ACRYLATES, STABILIZED	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	39
2350	BUTYL METHYL ETHER	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Cells express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct-ions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3	4.3.5, 6.8.4	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(10)	(11)	(12)	(13)	(14)
2351	BUTYL NITRITES	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	TP1	LGBF	2	CE7	33
2351	BUTYL NITRITES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	LGBF	3	CE4	30
2352	BUTYL VINYL ETHER, STABILIZED	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	TP1	LGBF	2	CE7	339
2353	BUTYRYL CHLORIDE	3	FC	II	3+8		1 L E2	P001 IBC02	MP19	TP2	L4BH	2	CE7	338
2354	CHLOROMETHYL ETHYL ETHER	3	FT1	II	3+6.1		1 L E2	P001 IBC02	MP19	TP1	L4BH	2	CE7	336
2355	2-CHLOROPROPANE	3	F1	I	3		0 E3	P001	MP7	TP2	L4BN	1		33
2357	CYCLOHEXYLAMINE	8	CF1	II	8+3		1 L E2	P001 IBC02	MP15	TP2	L4BN	2	CE6	83
2358	CYCLOOCTATETRAENE	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	TP1	LGBF	2	CE7	33
2359	DIALLYLAMINE	3	FTC	II	3+6.1+8		1 L E2	P001 IBC02	MP19	TP1	L4BH	2	CE7	338
2360	DIALLYL ETHER	3	FT1	II	3+6.1		1 L E2	P001 IBC02	MP19	TP1	L4BH	2	CE7	336
2361	DIISOBUTYLAMINE	3	FC	III	3+8		5 L E1	P001 IBC03 R001	MP19	TP1	L4BN	3	CE4	38
2362	1,1-DICHLOROETHANE	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	TP1	LGBF	2	CE7	33
2363	ETHYL MERCAPTAN	3	F1	I	3		0 E3	P001	MP7	TP2	L4BN	1		33
2364	n-PROPYLBENZENE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	LGBF	3	CE4	30

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)		(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2366	DIETHYL CARBONATE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2367	alpha-METHYLALDEHYDE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2368	alpha-PINENE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2370	1-HEXENE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2371	ISOPENTENES	3	F1	I	3		0 E3	P001		MP7 MP17	T11	TP2	L4BN		1					33
2372	1,2-DI-(DIMETHYLAMINO) ETHANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2373	DIETHOXYMETHANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2374	3,3-DIETHOXYPROPENE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2375	DIETHYL SULPHIDE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T7	TP1	LGBF		2				CE7	33
2376	2,3-DIHYDROPYRAN	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2377	1,1-DIMETHOXYETHANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T7	TP1	LGBF		2				CE7	33
2378	2-DIMETHYLAMINOACETONITRILE	3	FT1	II	3+6.1		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH	TU15	2			CW13 CW28	CE7	336

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2379	1,3-DIMETHYLBUTYLAMINE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338
2380	DIMETHYLDIETHOXY-SILANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2381	DIMETHYL DISULPHIDE	3	FT1	II	3+6.1		1 L E2	P001 IBC02		MP19	T7	TP2 TP39	L4BH	TU15	2			CW13 CW28	CE7	336
2382	DIMETHYLHYDRAZINE, SYMMETRICAL	6.1	TF1	I	6.1+3	354	0 E0	P602		MP8 MP17	T20 TP37		L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
2383	DIPROPYLAMINE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338
2384	Di-n-PROPYL ETHER	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2385	ETHYL ISOBUTYRATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2386	1-ETHYLPYPERIDINE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338
2387	FLUOROBENZENE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2388	FLUOROTOLUENES	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2389	FURAN	3	F1	I	3		0 E3	P001		MP7 MP17	T12	TP2	L4BN		1					33
2390	2-IODOBUTANE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2391	IODOMETHYLPROPANES	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.6.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2392	IODOPROPANES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2393	ISOBUTYL FORMATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2394	ISOBUTYL PROPIONATE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2395	ISOBUTYRYL CHLORIDE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP2	L4BH		2				CE7	338
2396	METHACRYLALDEHYDE, STABILIZED	3	FT1	II	3+6.1		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH	TU15	2			CW13 CW28	CE7	336
2397	3-METHYLBUTAN-2-ONE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2398	METHYL tert-BUTYL ETHER	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T7	TP1	LGBF		2				CE7	33
2399	1-METHYLPYRIDINE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338
2400	METHYL ISOVALERATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2401	PIPERIDINE	8	CF1	I	8+3		0 E0	P001		MP8 MP17	T10	TP2	L10BH	TU38 TE22	1					883
2402	PROPANETHIOLS	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2403	ISOPROPENYL ACETATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2404	PROPIONITRILE	3	FT1	II	3+6.1		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH	TU15	2			CW13 CW28	CE7	336

3.2-A-142

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colis express (express parcels)	Hazard identification No.
								Packing instructions Special provisions Mixed packing provisions	Instruct-ions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.1.1.3		5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3	7.2.4	7.3.3	7.5.11
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)
2405	ISOPROPYL BUTYRATE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	MP19	T2	TP1	LGBF	W12	CE4
2406	ISOPROPYL ISOBUTYRATE	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	T4	TP1	LGBF		CE7
2407	ISOPROPYL CHLOROFORMATE	6.1	TFC	I	6.1+3+8	354	0 E0	P602	MP8 MP17		1		CW13 CW28 CW31	663
2409	ISOPROPYL PROPIONATE	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	T4	TP1	LGBF		CE7
2410	1,2,3,6-TETRAHYDROPYRIDINE	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	T4	TP1	LGBF		CE7
2411	BUTYRONITRILE	3	FT1	II	3+6.1		1 L E2	P001 IBC02 R001	MP19	T7	TP1	L4BH	CW13 CW28	336
2412	TETRAHYDROTHIOPHENE	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	T4	TP1	LGBF		CE7
2413	TETRAPROPYL ORTHOTITANATE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	MP19	T4	TP1	LGBF	W12	CE4
2414	THIOPHENE	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	T4	TP1	LGBF		CE7
2416	TRIMETHYL BORATE	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	T7	TP1	LGBF		CE7
2417	CARBONYL FLUORIDE	2	2TC		2.3+8 (+13)		0 E0	P200	MP9	(M)	1		CW9 CW10 CW36	268

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers	RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions		Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)
2418	SULPHUR TETRAFLUORIDE	2	2TC		2.3+8		0 E0	P200		MP9				1			CW9 CW10 CW36		268
2419	BROMOTRIFLUOROETHYLENE	2	2F		2.1 (+13)		0 E0	P200		MP9	(M)	PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
2420	HEXAFLUOROACETONE	2	2TC		2.3+8 (+13)		0 E0	P200		MP9	(M)	PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		268
2421	NITROGEN TRIOXIDE	2	2TOC		2.2 (+13)		120 ml	P200		MP9	(M)	PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
2422	OCTAFLUOROBUT-2-ENE (REFRIGERANT GAS R 1318)	2	2A		2.2 (+13)		120 ml	P200		MP9	(M)	PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
2424	OCTAFLUOROPROPANE (REFRIGERANT GAS R 218)	2	2A		2.2 (+13)		120 ml	P200		MP9	(M)	PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
2426	AMMONIUM NITRATE, LIQUID, hot concentrated solution, in a concentration of more than 80% but not more than 93%	5.1	O1		5.1	252 644	0 E0				T7 TP16 TP17	L4BV(+)	TU3 TU12 TU29 TC3 TE9 TE10 TA1	0					59
2427	POTASSIUM CHLORATE, AQUEOUS SOLUTION	5.1	O1	II	5.1		1 L	P504 IBC02		MP2	T4	L4BN	TU3	2			CW24	CE6	50
2427	POTASSIUM CHLORATE, AQUEOUS SOLUTION	5.1	O1	III	5.1		5 L	P504 IBC02 R001		MP2	T4	LGBV	TU3	3			CW24	CE8	50
2428	SODIUM CHLORATE, AQUEOUS SOLUTION	5.1	O1	II	5.1		1 L	P504 IBC02		MP2	T4	L4BN	TU3	2			CW24	CE6	50

3.2-A-144

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers	RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	1.1.3.16	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)
2428	SODIUM CHLORATE, AQUEOUS SOLUTION	5.1	O1	III	5.1		5 L E1	P504 IBC02 R001		MP2	T4	TP1	LGBV	TU3	3		CW24	CE8	50
2429	CALCIUM CHLORATE, AQUEOUS SOLUTION	5.1	O1	II	5.1		1 L E2	P504 IBC02		MP2	T4	TP1	L4BN	TU3	2		CW24	CE6	50
2429	CALCIUM CHLORATE, AQUEOUS SOLUTION	5.1	O1	III	5.1		5 L E1	P504 IBC02 R001		MP2	T4	TP1	LGBV	TU3	3		CW24	CE8	50
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C ₇ -C ₁₂ homologues)	8	C4	I	8		0 E0	P002 IBC07		MP18	T6	TP33	S10AN L10BH	TU38 TE22	1	W10			88
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C ₇ -C ₁₂ homologues)	8	C4	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN L4BN		2	W11		CE10	80
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C ₇ -C ₁₂ homologues)	8	C4	III	8		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV L4BN		3	VW9		CE11	80
2431	ANISIDINES	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12	CW13 CW28 CW31	CE8	60
2432	N,N-DIETHYLANILINE	6.1	T1	III	6.1	279	5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12	CW13 CW28 CW31	CE8	60
2433	CHLORONITROTOLUENES, LIQUID	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12	CW13 CW28 CW31	CE8	60
2434	DIBENZYLIDICHLOROSILANE	8	C3	II	8		0 E0	P010		MP15	T10	TP2 TP7	L4BN	2				CE6	X80
2435	ETHYLPHENYLDICHLOROSILANE	8	C3	II	8		0 E0	P010		MP15	T10	TP2 TP7	L4BN	2				CE6	X80
2436	THIOACETIC ACID	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF	2				CE7	33
2437	METHYLPHENYLDICHLOROSILANE	8	C3	II	8		0 E0	P010		MP15	T10	TP2 TP7	L4BN	2				CE6	X80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Package	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2438	TRIMETHYLACETYL CHLORIDE	6.1	TFC	I	6.1+3+8		0 E5	P001		MP8 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
2439	SODIUM HYDROGENDIFLUORIDE	8	C2	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN		2	W11			CE10	80
2440	STANNIC CHLORIDE PENTAHYDRATE	8	C2	III	8		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3	VW9			CE11	80
2441	TITANIUM TRICHLORIDE, PYROPHORIC or TITANIUM TRICHLORIDE MIXTURE, PYROPHORIC	4.2	SC4	I	4.2+8	537	0 E0	P404		MP13					0	W1				48
2442	TRICHLOROACETYL CHLORIDE	8	C3	II	8		0 E2	P001		MP15	T7	TP2	L4BN		2				CE6	X80
2443	VANADIUM OXYTRICHLORIDE	8	C1	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80
2444	VANADIUM TETRACHLORIDE	8	C1	I	8		0 E0	P802		MP8 MP17	T10	TP2	L10BH	TU38 TE22	1					X88
2446	NITROCRESOLS, SOLID	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2	VW9		CW13 CW28 CW31	CE11	60
2447	PHOSPHORUS, WHITE, MOLTEN	4.2	ST3	I	4.2+6.1		0 E0				T21	TP3 TP7 TP26	L10DH(+)	TU14 TU16 TU21 TU38 TE3 TE21 TE22	0					446
2448	SULPHUR, MOLTEN	4.1	F3	III	4.1	538	0 E0				T1	TP3	LGBV(+)	TU27 TE4 TE6	3					44
2451	NITROGEN TRIFLUORIDE	2	ZO		2.2+5.1 (+13)		0 E0	P200		MP9	(M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	25

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage				Colis express (express parcels)	Hazard identification No	
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provisions	Tank code Special provisions		Packages	Bulk	Loading, unloading and handling				
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3	4.3.5, 6.8.4	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)
2452	ETHYLACETYLENE, STABILIZED	2	2F		2.1 (+13)		0 E0	P200	MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2		CW9 CW10 CW36	CE3	239
2453	ETHYL FLUORIDE (REFRIGERANT GAS R 161)	2	2F		2.1 (+13)		0 E0	P200	MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2		CW9 CW10 CW36	CE3	23
2454	METHYL FLUORIDE (REFRIGERANT GAS R 41)	2	2F		2.1 (+13)		0 E0	P200	MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2		CW9 CW10 CW36	CE3	23
CARRIAGE PROHIBITED																		
2455	METHYL NITRITE	2	2A															
2456	2-CHLOROPROPENE	3	F1	I	3		0 E3	P001	MP7 MP17	T11	TP2	L4BN		1				33
2457	2,3-DIMETHYLBUTANE	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	T7	TP1	LGBF		2			CE7	33
2458	HEXADIENES	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	T4	TP1	LGBF		2			CE7	33
2459	2-METHYL-1-BUTENE	3	F1	I	3		0 E3	P001	MP7 MP17	T11	TP2	L4BN		1				33
2460	2-METHYL-2-BUTENE	3	F1	II	3		1 L E2	P001 IBC02	MP19	T7	TP1	L1.5BN		2			CE7	33
2461	METHYLPENTADIENE	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	T4	TP1	LGBF		2			CE7	33
2463	ALUMINIUM HYDRIDE	4.3	W2	I	4.3		0 E0	P403	MP2					1				X423
2464	BERYLLIUM NITRATE	5.1	OT2	II	5.1+6.1		1 kg E2	P002 IBC08	MP2	T3	TP33	SGAN	TU3	2		W11	CE10	56
2465	DICHLOROISOCYANURIC ACID, DRY or DICHLOROISOCYANURIC ACID SALTS	5.1	O2	II	5.1	135	1 kg E2	P002 IBC08	MP10	T3	TP33	SGAN	TU3	2		W11	CE10	50

3.2-A-147

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage				Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)	
2466	POTASSIUM SUPEROXIDE	5.1	O2	I	5.1		0 E0	P503 IBC06		MP2					1	W10		CW24		55	
2468	TRICHLOROISOCYANURIC ACID, DRY	5.1	O2	II	5.1		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50	
2469	ZINC BROMATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50	
2470	PHENYLACETONITRILE, LIQUID	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60	
2471	OSMIUM TETROXIDE	6.1	T5	I	6.1		0 E5	P002 IBC07	PP30	MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31		66	
2473	SODIUM ARSANILATE	6.1	T3	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60	
2474	THIOPHOSGENE	6.1	T1	I	6.1	279 354	0 E0	P602		MP8 MP17	T20	TP2 TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66	
2475	VANADIUM TRICHLORIDE	8	C2	III	8		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3		VW9		CE11	80	
2477	METHYL ISOTHIOCYANATE	6.1	TF1	I	6.1+3	354	0 E0	P602		MP8 MP17	T20	TP2 TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663	
2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	FT1	II	3+6.1	274 539	1 L E2	P001 IBC02		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	CE7	336	

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colli express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	FT1	III	3+6.1	274	5 L E1	P001 IBC03 R001		MP19	T7	TP1 TP28	L4BH	TU15	3	W12		CW13 CW28	CE4	36
2480	METHYL ISOCYANATE	6.1	TF1	I	6.1+3	354	0 E0	P601		MP2	T22	TP2	L15CH	TU14 TU15 TU38 TE21 TE22 TE25	1			CW13 CW28 CW31		663
2481	ETHYL ISOCYANATE	6.1	TF1	I	6.1+3	354	0 E0	P602		MP8 MP17	T20	TP2 TP37	L15CH	TU14 TU15 TU38 TE21 TE22 TE25	1			CW13 CW28 CW31		663
2482	n-PROPYL ISOCYANATE	6.1	TF1	I	6.1+3	354	0 E0	P602		MP8 MP17	T20	TP2 TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
2483	ISOPROPYL ISOCYANATE	6.1	TF1	I	6.1+3	354	0 E0	P602		MP8 MP17	T20	TP2 TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
2484	tert-BUTYL ISOCYANATE	6.1	TF1	I	6.1+3	354	0 E0	P602		MP8 MP17	T20	TP2 TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
2485	n-BUTYL ISOCYANATE	6.1	TF1	I	6.1+3	354	0 E0	P602		MP8 MP17	T20	TP2 TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Cdils express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct- tions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2	4.3	7.2.4	7.3.3	7.5.11
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)
2486	ISOBUTYL ISOCYANATE	6.1	TF1	I	6.1+3	354	0	P602	MP8 MP17	TP2 TP37	L10CH	1	1.1.3.1c)	5.3.2.3
2487	PHENYL ISOCYANATE	6.1	TF1	I	6.1+3	354	0	P602	MP8 MP17	TP2 TP37	L10CH	1	1.1.3.1c)	5.3.2.3
2488	CYCLOHEXYL ISOCYANATE	6.1	TF1	I	6.1+3	354	0	P602	MP8 MP17	TP2 TP37	L10CH	1	1.1.3.1c)	5.3.2.3
2490	DICHLOROISOPROPYL ETHER	6.1	T1	II	6.1		100 ml	P001 IBC02	MP15	TP2	L4BH	2	1.1.3.1c)	5.3.2.3
2491	ETHANOLAMINE or ETHANOLAMINE SOLUTION	8	C7	III	8		5 L	P001 IBC03 LP01 R001	MP19	TP1	L4BN	3	1.1.3.1c)	5.3.2.3
2493	HEXAMETHYLENIMINE	3	FC	II	3+8		1 L	P001 IBC02	MP19	TP1	L4BH	2	1.1.3.1c)	5.3.2.3
2495	IODINE PENTAFLUORIDE	5.1	OTC	I	5.1+6.1+8		0	P200	MP2		L10DH	1	1.1.3.1c)	5.3.2.3
2496	PROPIONIC ANHYDRIDE	8	C3	III	8		5 L	P001 IBC03 LP01 R001	MP19	TP1	L4BN	3	1.1.3.1c)	5.3.2.3
2498	1,2,3,6-TETRAHYDRO-BENZALDEHYDE	3	F1	III	3		5 L	P001 IBC03 LP01 R001	MP19	TP1	LGBF	3	1.1.3.1c)	5.3.2.3

3.2-A-150

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2501	TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	6.1	T1	II	6.1		100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2501	TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2502	VALERYL CHLORIDE	8	CF1	II	8+3		1 L	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	83
2503	ZIRCONIUM TETRACHLORIDE	8	C2	III	8		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3		VW9		CE11	80
2504	TETRABROMOETHANE	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2505	AMMONIUM FLUORIDE	6.1	T5	III	6.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2506	AMMONIUM HYDROGEN SULPHATE	8	C2	II	8		1 kg	P002 IBC08	B4	MP10	T3	TP33	SGAV		2	W11	VW9		CE10	80
2507	CHLOROPLATINIC ACID, SOLID	8	C2	III	8		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3		VW9		CE11	80
2508	MOLYBDENUM PENTACHLORIDE	8	C2	III	8		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3		VW9		CE11	80
2509	POTASSIUM HYDROGEN SULPHATE	8	C2	II	8		1 kg	P002 IBC08 LP02 R001	B4	MP10	T3	TP33	SGAV		2	W11	VW9		CE10	80
2511	2-CHLOROPROPIONIC ACID	8	C3	III	8		5 L	P001 IBC03 LP01 R001		MP19	T4	TP2	L4BN		3	W12			CE8	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2512	AMINOPHENOLS (o-, m-, p-)	6.1	T2	III	6.1	279	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2513	BROMOACETYL BROMIDE	8	C3	II	8		1 L	P001 IBC02		MP15	T8	TP2	L4BN		2				CE6	X80
2514	BROMOBENZENE	3	F1	III	3		5 L	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2515	BROMOFORM	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2516	CARBON TETRABROMIDE	6.1	T2	III	6.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2517	1-CHLORO-1,1-DIFLUOROETHANE (REFRIGERANT GAS R 142b)	2	2F		2.1 (+13)		0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
2518	1,5,9-CYCLODODECATRIENE	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2520	CYCLOOCTADIENES	3	F1	III	3		5 L	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2521	DIKETENE, STABILIZED	6.1	TF1	I	6.1+3	354	0	P602		MP8 MP17	T20 TP37	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.16)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2522	2-DIMETHYLAMINOETHYL METHACRYLATE	6.1	T1	II	6.1		100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	69
2524	ETHYL ORTHOFORMATE	3	F1	III	3		5 L	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2525	ETHYL OXALATE	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2526	FURFURYLAMINE	3	FC	III	3+8		5 L	P001 IBC03 R001		MP19	T4	TP1	L4BN		3	W12			CE4	38
2527	ISOBUTYL ACRYLATE, STABILIZED	3	F1	III	3		5 L	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	39
2528	ISOBUTYL ISOBUTYRATE	3	F1	III	3		5 L	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2529	ISOBUTYRIC ACID	3	FC	III	3+8		5 L	P001 IBC03 R001		MP19	T4	TP1	L4BN		3	W12			CE4	38
2531	METHACRYLIC ACID, STABILIZED	8	C3	II	8		1 L	P001 IBC02 LP01		MP15	T7	TP2 TP18 TP30	L4BN		2				CE8	89
2533	METHYL TRICHLOROACETATE	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2534	METHYLCHLOROSILANE	2	2TFC		2.3+2.1+8		0	P200		MP9	(M)				1			CW9 CW10 CW36		263
2535	4-METHYLMORPHOLINE (N-METHYLMORPHOLINE)	3	FC	II	3+8		1 L	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
2536	METHYL TETRAHYDROFURAN	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				33
2538	NITRONAPHTHALENE	4.1	F1	III	4.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3	W1	VW1		40
2541	TERPINOLENE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			30
2542	TRIBUTYLAMINE	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	60
2545	HAFNIUM POWDER, DRY	4.2	S4	I	4.2	540	0 E0	P404		MP13					0	W1			43
2545	HAFNIUM POWDER, DRY	4.2	S4	II	4.2	540	0 E2	P410 IBC06		MP14	T3	TP33	SGAN		2	W1			40
2545	HAFNIUM POWDER, DRY	4.2	S4	III	4.2	540	0 E1	P002 IBC08 LP02 R001	B3	MP14	T1	TP33	SGAN		3	W1	VW4		40
2546	TITANIUM POWDER, DRY	4.2	S4	I	4.2	540	0 E0	P404		MP13					0	W1			43
2546	TITANIUM POWDER, DRY	4.2	S4	II	4.2	540	0 E2	P410 IBC06		MP14	T3	TP33	SGAN		2	W1			40
2546	TITANIUM POWDER, DRY	4.2	S4	III	4.2	540	0 E1	P002 IBC08 LP02 R001	B3	MP14	T1	TP33	SGAN		3	W1	VW4		40
2547	SODIUM SUPEROXIDE	5.1	O2	I	5.1		0 E0	P503 IBC06		MP2					1	W10		CW24	55
2548	CHLORINE PENTAFLUORIDE	2	2TOC		2.3+5.1+8		0 E0	P200		MP9					1			CW9 CW10 CW36	265
2552	HEXAFLUOROACETONE HYDRATE, LIQUID	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	53.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2554	METHYLALYL CHLORIDE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2555	NITROCELLULOSE WITH WATER (not less than 25% water, by mass)	4.1	D	II	4.1	541	0 E0	P406		MP2					2	W1			CE10	40
2556	NITROCELLULOSE WITH ALCOHOL (not less than 25% alcohol, by mass, and not more than 12.6% nitrogen, by dry mass)	4.1	D	II	4.1	541	0 E0	P406		MP2					2	W1			CE10	40
2557	NITROCELLULOSE, with not more than 12.6% nitrogen, by dry mass. MIXTURE WITH or WITHOUT PLASTICIZER, WITH or WITHOUT PIGMENT	4.1	D	II	4.1	241 541	0 E0	P406		MP2					2	W1			CE10	40
2558	EPIBROMOHYDRIN	6.1	TF1	I	6.1+3		0 E5	P001		MP8 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
2560	2-METHYLPENTAN-2-OL	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2561	3-METHYL-1-BUTENE	3	F1	I	3		0 E3	P001		MP7 MP17	T11	TP2	L4BN		1					33
2564	TRICHLOROACETIC ACID SOLUTION	8	C3	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80
2564	TRICHLOROACETIC ACID SOLUTION	8	C3	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
2565	DICYCLOHEXYLAMINE	8	C7	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
2567	SODIUM PENTACHLOROPHENATE	6.1	T2	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Collis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.6, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2570	CADMIUM COMPOUND	6.1	T5	I	6.1	274 596	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
2570	CADMIUM COMPOUND	6.1	T5	II	6.1	274 596	E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
2570	CADMIUM COMPOUND	6.1	T5	III	6.1	274 596	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2571	ALKYL SULPHURIC ACIDS	8	C3	II	8		E2	P001 IBC02		MP15	T8	TP2 TP28	L4BN		2				CE6	80
2572	PHENYLHYDRAZINE	6.1	T1	II	6.1		E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2573	THALLIUM CHLORATE	5.1	OT2	II	5.1+6.1		E2	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24 CW28	CE10	56
2574	TRICRESYL PHOSPHATE with more than 3% ortho isomer	6.1	T1	II	6.1		E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2576	PHOSPHORUS OXYBROMIDE, MOLTEN	8	C1	II	8		E0				T7	TP3	L4BN		2					80
2577	PHENYLACETYL CHLORIDE	8	C3	II	8		E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80
2578	PHOSPHORUS TRIOXIDE	8	C2	III	8		E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3		VW9		CE11	80
2579	PIPERAZINE	8	C8	III	8		E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV L4BN		3		VW9		CE11	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
(1)	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2580	ALUMINIUM BROMIDE SOLUTION	8	C1	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
2581	ALUMINIUM CHLORIDE SOLUTION	8	C1	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
2582	FERRIC CHLORIDE SOLUTION	8	C1	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
2583	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with more than 5% free sulphuric acid	8	C2	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN L4BN		2	W11			CE10	80
2584	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid	8	C1	II	8		1 L E2	P001 IBC02		MP15	T8	TP2	L4BN		2				CE6	80
2585	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid	8	C4	III	8		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3	VW9			CE11	80
2586	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	8	C3	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
2587	BENZOQUINONE	6.1	T2	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1	T7	I	6.1	61 274 648	0 E5	P002 IBC02		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	66
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1	T7	II	6.1	61 274 648	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9 CE12	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	2.2	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1	T7	III	6.1	61 274 648	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	60
2589	VINYL CHLOROACETATE	6.1	TF1	II	6.1+3		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	63
2590	WHITE ASBESTOS (chrysotile, actinolite, anthophyllite, tremolite)	9	M1	III	9	168 542	5 kg E1	P002 IBC08 R001	PP37 B4	MP10	T1	TP33	SGAH	TU15	3	W11		CW13 CW28 CW31	90
2591	XENON, REFRIGERATED LIQUID	2	3A		2.2 (+13)	593	120 ml E1	P203		MP9	T75	TP5	RxBN	TU19 TA4 TT9 TM6	3	W5		CW9 CW11 CW30 CW36	22
2599	CHLOROTRIFLUOROMETHANE AND TRIFLUOROMETHANE AZEOTROPIC MIXTURE with approximately 80% chlorotrifluoromethane (REFRIGERANT GAS R 503)	2	2A		2.2 (+13)		120 ml E1	P200		MP9	(M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	20
2601	CYCLOBUTANE	2	2F		2.1 (+13)		0 E0	P200		MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	23
2602	DICHLORODIFLUOROMETHANE AND 1,1-DIFLUOROETHANE AZEOTROPIC MIXTURE with approximately 74% dichlorodifluoromethane (REFRIGERANT GAS R 500)	2	2A		2.2 (+13)		120 ml E1	P200		MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	20
2603	CYCLOHEPTATRIENE	3	FT1	II	3+6.1		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH	TU15	2			CW13 CW28	336
2604	BORON TRIFLUORIDE DIETHYL ETHERATE	8	CF1	I	8+3		0 E0	P001		MP8 MP17	T10	TP2	L10BH	TU38 TE22	1				883

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2605	METHOXYMETHYL ISOCYANATE	6.1	TF1	I	6.1+3	354	0	P602		MP8 MP17	T20	TP2 TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
2606	METHYL ORTHOSILICATE	6.1	TF1	I	6.1+3	354	0	P602		MP8 MP17	T20	TP2 TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
2607	ACROLEIN DIMER, STABILIZED	3	F1	III	3		5 L	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	39
2608	NITROPROPANES	3	F1	III	3		5 L	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2609	TRIALLYL BORATE	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001		MP19			L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2610	TRIALLYLAMINE	3	FC	III	3+8		5 L	P001 IBC03 R001		MP19	T4	TP1	L4BN		3	W12			CE4	38
2611	PROPYLENE CHLOROHYDRIN	6.1	TF1	II	6.1+3		100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	63
2612	METHYL PROPYL ETHER	3	F1	II	3		1 L	P001 IBC02	B8	MP19	T7	TP2	L1.5BN		2				CE7	33
2614	METHALLYL ALCOHOL	3	F1	III	3		5 L	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2615	ETHYL PROPYL ETHER	3	F1	II	3		1 L	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2616	TRIISOPROPYL BORATE	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2616	TRIISOPROPYL BORATE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2617	METHYLCYCLOHEXANOLS, flammable	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2618	VINYLTOLUENES, STABILIZED	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	39
2619	BENZYLDMETHYLAMINE	8	CF1	II	8+3		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	83
2620	AMYL BUTYRATES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2621	ACETYL METHYL CARBINOL	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2622	GLYCIDALDEHYDE	3	FT1	II	3+6.1		1 L E2	P001 IBC02	B8	MP19	T7	TP1	L4BH	TU15	2			CW13 CW28	CE7	336
2623	FIRELIGHTERS, SOLID with flammable liquid	4.1	F1	III	4.1		5 kg E1	P002 LP02 R001	PP15	MP11					4	W1			CE11	40
2624	MAGNESIUM SILICIDE	4.3	W2	II	4.3		500 g E2	P410 IBC07		MP14	T3	TP33	SGAN		2	W1		CW23	CE10	423
2626	CHLORIC ACID, AQUEOUS SOLUTION with not more than 10% chloric acid	5.1	O1	II	5.1	613	1 L E2	P504 IBC02		MP2	T4	TP1	L4BN	TU3	2			CW24	CE6	50
2627	NITRITES, INORGANIC, N.O.S.	5.1	O2	II	5.1	103	1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 4.2.6.3	4.3.5, 6.8.4	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2628	POTASSIUM FLUOROACETATE	6.1	T2	I	6.1		0 E5	P002 IBC07		MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31		66
2629	SODIUM FLUOROACETATE	6.1	T2	I	6.1		0 E5	P002 IBC07		MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31		66
2630	SELENATES or SELENITES	6.1	T5	I	6.1	274	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
2642	FLUOROACETIC ACID	6.1	T2	I	6.1		0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
2643	METHYL BROMOACETATE	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2644	METHYL IODIDE	6.1	T1	I	6.1	354	0 E0	P602		MP8 MP17	T20	TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
2645	PHENACYL BROMIDE	6.1	T2	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
2646	HEXACHLOROCYCLOPENTADIENE	6.1	T1	I	6.1	354	0 E0	P602		MP8 MP17	T20	TP35	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
2647	MALONONITRILE	6.1	T2	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colls express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2648	1,2-DIBROMOBUTAN-3-ONE	6.1	T1	II	6.1		100 ml	P001 IBC02		MP15			L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2649	1,3-DICHLOROACETONE	6.1	T2	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
2650	1,1-DICHLORO-1-NITROETHANE	6.1	T1	II	6.1		100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2651	4,4'-DIAMINODIPHENYLMETHANE	6.1	T2	III	6.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2653	BENZYL IODIDE	6.1	T1	II	6.1		100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2655	POTASSIUM FLUOROSILICATE	6.1	T5	III	6.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2656	QUINOLINE	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2657	SELENIUM DISULPHIDE	6.1	T5	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
2659	SODIUM CHLOROACETATE	6.1	T2	III	6.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2660	NITROTOLUIDINES (MONO)	6.1	T2	III	6.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.1.1.3		5.2.2	3.3	3.4.3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
2661	HEXACHLOROACETONE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	60
2664	DIBROMOMETHANE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	60
2667	BUTYLTOLUENES	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	60
2668	CHLOROACETONITRILE	6.1	TF1	I	6.1+3	354	0 E0	P602		MP8 MP17	T20	TP2 TP37	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	663
2669	CHLOROCRESOLS SOLUTION	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	60
2669	CHLOROCRESOLS SOLUTION	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP2	L4BH	TU15	2	W12		CW13 CW28 CW31	60
2670	CYANURIC CHLORIDE	8	C4	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN L4BN		2	W11			80
2671	AMINOPYRIDINES (o-, m-, p-)	6.1	T2	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	60
2672	AMMONIA SOLUTION, relative density between 0.880 and 0.957 at 15 °C in water, with more than 10% but not more than 35% ammonia	8	C5	III	8	543	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP1	L4BN		3	W12			80
2673	2-AMINO-4-CHLOROPHENOL	6.1	T2	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers	RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions		Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	1.1.3.1c	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(20)
2674	SODIUM FLUOROSILICATE	6.1	T5	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2	VW9	CW13 CW28 CW31	60
2676	STIBINE	2	2TF		2.3+2.1		0 E0	P200	MP9					1			CW9 CW10 CW36	263
2677	RUBIDIUM HYDROXIDE SOLUTION	8	C5	II	8		1 L E2	P001 IBC02	MP15	MP15	T7	TP2	L4BN					80
2677	RUBIDIUM HYDROXIDE SOLUTION	8	C5	III	8		5 L E1	P001 IBC03 LP01 R001	MP19	MP19	T4	TP1	L4BN		W12			80
2678	RUBIDIUM HYDROXIDE	8	C6	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN		W11			80
2679	LITHIUM HYDROXIDE SOLUTION	8	C5	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN					80
2679	LITHIUM HYDROXIDE SOLUTION	8	C5	III	8		5 L E1	P001 IBC03 LP01 R001	MP19	MP19	T4	TP2	L4BN		W12			80
2680	LITHIUM HYDROXIDE	8	C6	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN		W11			80
2681	CAESIUM HYDROXIDE SOLUTION	8	C5	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN					80
2681	CAESIUM HYDROXIDE SOLUTION	8	C5	III	8		5 L E1	P001 IBC03 LP01 R001	MP19	MP19	T4	TP1	L4BN		W12			80
2682	CAESIUM HYDROXIDE	8	C6	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN		W11			80
2683	AMMONIUM SULPHIDE SOLUTION	8	CFT	II	8+3+6.1		1 L E2	P001 IBC01		MP15	T7	TP2	L4BN				CW13 CW28	86
2684	3-DIETHYLAMINOPROPYLAMINE	3	FC	III	3+8		5 L E1	P001 IBC03 R001	MP19	MP19	T4	TP1	L4BN		W12			38

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)
2685	N,N-DIETHYLETHYLENEDIAMINE	8	CF-1	II	8+3		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6 83
2686	2-DIETHYLAMINOETHANOL	8	CF-1	II	8+3		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6 83
2687	DICYCLOHEXYLAMMONIUM NITRIDE	4.1	F3	III	4.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP11	T1	TP33	SGAV		3	W1	VW1		CE11 40
2688	1-BROMO-3-CHLOROPROPANE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 60
2689	GLYCEROL, alpha-MONOCHLOROHYDRIN	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 60
2690	N,n-BUTYLIMIDAZOLE	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5 60
2691	PHOSPHORUS PENTABROMIDE	8	C2	II	8		1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN		2	W11			CE10 80
2692	BORON TRIBROMIDE	8	C1	I	8		0 E0	P602		MP8 MP17	T20	TP2	L10BH	TU38 TE22	1				X88
2693	BISULPHITES, AQUEOUS SOLUTION, N.O.S.	8	C1	III	8	274	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28	L4BN		3	W12			CE8 80
2698	TETRAHYDROPHTHALIC ANHYDRIDES with more than 0.05% of maleic anhydride	8	C4	III	8	169	5 kg E1	P002 IBC08 LP02 R001	PP14 B3	MP10	T1	TP33	SGAV L4BN		3	VW9			CE11 80
2699	TRIFLUOROACETIC ACID	8	C3	I	8		0 E0	P001		MP8 MP17	T10	TP2	L10BH	TU38 TE22	1				88
2705	1-PENTOL	8	C9	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6 80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Collis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2707	DIMETHYLDIOXANES	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
2707	DIMETHYLDIOXANES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2709	BUTYLBENZENES	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2710	DIPROPYL KETONE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2713	ACRIDINE	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2714	ZINC RESINATE	4.1	F3	III	4.1		5 kg E1	P002 IBC06 R001		MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40
2715	ALUMINIUM RESINATE	4.1	F3	III	4.1		5 kg E1	P002 IBC06 R001		MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40
2716	1,4-BUTYNEDIOL	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2717	CAMPHOR, synthetic	4.1	F1	III	4.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3	W1	VW1		CE11	40
2719	BARIUM BROMATE	5.1	OT2	II	5.1+6.1		1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAN	TU3	2	W11		CW24 CW28	CE10	56

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging				Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Collis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provi- sions	Packages		Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)	
2720	CHROMIUM NITRATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50	
2721	COPPER CHLORATE	5.1	O2	II	5.1		1 kg E2	P002 IBC08 R001	B4	MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50	
2722	LITHIUM NITRATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50	
2723	MAGNESIUM CHLORATE	5.1	O2	II	5.1		1 kg E2	P002 IBC08 R001	B4	MP2	T3	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50	
2724	MANGANESE NITRATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50	
2725	NICKEL NITRATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50	
2726	NICKEL NITRITE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50	
2727	THALLIUM NITRATE	6.1	TO2	II	6.1+5.1		500 g E4	P002 IBC06 R001		MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	65	
2728	ZIRCONIUM NITRATE	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50	
2729	HEXACHLOROBENZENE	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH	TU15	2		VW9	CW13 CW28 CW31	CE11	60	

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.2, 4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	6.1	T1	III	6.1	279	5 L E1	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
2730	NITROANISOL; LIQUID	6.1	T1	III	6.1	279	5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	60
2732	NITROBROMOBENZENES, LIQUID	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	60
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	FC	I	3+8	274 544	0 E0	P001		MP7 MP17	T14	TP1 TP27	L10CH	TU14 TU38 TE21 TE22	1				338
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	FC	II	3+8	274 544	1 L E2	P001 IBC02		MP19	T11	TP1 TP27	L4BH		2				338
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	FC	III	3+8	274 544	5 L E1	P001 IBC03 R001		MP19	T7	TP1 TP28	L4BN		3	W12			38
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	CF1	I	8+3	274	0 E0	P001		MP8 MP17	T14	TP2 TP27	L10BH	TU38 TE22	1				883
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	CF1	II	8+3	274	1 L E2	P001 IBC02		MP15	T11	TP2 TP27	L4BN		2				83
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	C7	I	8	274	0 E0	P001		MP8 MP17	T14	TP2 TP27	L10BH	TU38 TE22	1				88
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	C7	II	8	274	1 L E2	P001 IBC02		MP15	T11	TP1 TP27	L4BN		2				80
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	C7	III	8	274	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28	L4BN		3	W12			80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)		(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
2738	N-BUTYLANILINE	6.1	T1	II	6.1		100 E4 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	60
2739	BUTYRIC ANHYDRIDE	8	C3	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			80
2740	n-PROPYL CHLOROFORMATE	6.1	TFC	I	6.1+3+8		0 E5	P602		MP8 MP17	T20	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	668
2741	BARIUM HYPOCHLORITE with more than 22% available chlorine	5.1	OT2	II	5.1+6.1		1 kg E2	P002 IBC08	B4	MP2	T3	TP33	SGAN	TU3	2	W11		CW24 CW28	56
2742	CHLOROFORMATES, TOXIC. CORROSIVE, FLAMMABLE, N.O.S.	6.1	TFC	II	6.1+3+8	274 561	100 E4 ml	P001 IBC01		MP15			L4BH	TU15	2			CW13 CW28 CW31	638
2743	n-BUTYL CHLOROFORMATE	6.1	TFC	II	6.1+3+8		100 E4 ml	P001		MP15	T20	TP2	L4BH	TU15	2			CW13 CW28 CW31	638
2744	CYCLOBUTYL CHLOROFORMATE	6.1	TFC	II	6.1+3+8		100 E4 ml	P001 IBC01		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	638
2745	CHLOROMETHYL CHLOROFORMATE	6.1	TC1	II	6.1+8		100 E4 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	68
2746	PHENYL CHLOROFORMATE	6.1	TC1	II	6.1+8		100 E4 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	68
2747	tert-BUTYL CYCLOHEXYL CHLOROFORMATE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	60
2748	2-ETHYLHEXYL CHLOROFORMATE	6.1	TC1	II	6.1+8		100 E4 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	68

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Coils express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct-ions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4 4.1.10 4.2.5.2	4.2.5.2 7.3.2	4.3 4.3.5, 6.8.4	1.1.3.10	7.2.4 7.3.3 7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8) (9a) (9b)	(10) (11)	(12) (13)	(15)	(16) (17) (18)	(19)	(20)
2749	TETRAMETHYLSILANE	3	F1	I	3		0 E3	P001	MP7 MP17	L4BN	1			33
2750	1,3-DICHLOROPROPANOL-2	6.1	T1	II	6.1		100 ml	P001 IBC02	MP15	L4BH	2		CE5	60
2751	DIETHYLTHIOPHOSPHORYL CHLORIDE	8	C3	II	8		1 L	P001 IBC02	MP15	L4BN	2		CE6	80
2752	1,2-EPOXY-3-ETHOXYPROPANE	3	F1	III	3		5 L	P001 IBC03 LP01 R001	MP19	LGBF	3	W12	CE4	30
2753	N-ETHYLBENZYL TOLUIDINES, LIQUID	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001	MP19	L4BH	2	W12	CE8	60
2754	N-ETHYLTOLUIDINES	6.1	T1	II	6.1		100 ml	P001 IBC02	MP15	L4BH	2		CE5	60
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1	T7	I	6.1	61 274 648	0	P002 IBC07	MP18	S10AH L10CH	1	W10	CE12	66
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1	T7	II	6.1	61 274 648	500 g	P002 IBC08	MP10	SGAH L4BH	2	W11	CE9 CE12	60
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg	P002 IBC08 LP02 R001	MP10	SGAH L4BH	2	VW9	CE11 CE12	60
2758	CARBAMATE PESTICIDE, LIQUID, FLAMMABLE; TOXIC, flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0	P001	MP7 MP17	L10CH	1			336

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2758	CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	II	3+6.1	61 274	1 L E2	P001 IBC02 R001		MP19	T11	TP27	L4BH	TU15	2			CW13 CW28	CE7	336
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1	T7	I	6.1	61 274 648	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31	CE12	66
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1	T7	II	6.1	61 274 648	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9 CE12	60
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11 CE12	60
2760	ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0 E0	P001		MP7 MP17	T14	TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
2760	ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	II	3+6.1	61 274	1 L E2	P001 IBC02 R001		MP19	T11	TP27	L4BH	TU15	2			CW13 CW28	CE7	336
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1	T7	I	6.1	61 274 648	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31	CE12	66
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1	T7	II	6.1	61 274 648	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9 CE12	60
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11 CE12	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Coils express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct-ions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.3	1.1.3.16	7.2.4	7.3.3	5.3.2.3
(1)	(2)		(3b)	(4)	(5)	(6)	(7a) (7b)	(9a)	(9b)	(12)	(15)	(16)	(17)	(19)
2762	ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0 E0	P001	MP7 MP17	L10CH	1			336
2762	ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	II	3+6.1	61 274	1 L E2	P001 IBC02 R001	TP2 TP27	L4BH	2			336
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1	T7	I	6.1	61 274 648	0 E5	P002 IBC07	TP33	S10AH L10CH	1	W10		66
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1	T7	II	6.1	61 274 648	500 g E4	P002 IBC08 R001	TP33	SGAH L4BH	2	W11		60
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg E1	P002 IBC08 R001	TP33	SGAH L4BH	2	VW9		60
2764	TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0 E0	P001	TP2 TP27	L10CH	1			336
2764	TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	II	3+6.1	61 274	1 L E2	P001 IBC02 R001	TP2 TP27	L4BH	2			336
2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1	T7	I	6.1	61 274 648	0 E5	P002 IBC07	TP33	S10AH L10CH	1	W10		66
2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1	T7	II	6.1	61 274 648	500 g E4	P002 IBC08 R001	TP33	SGAH L4BH	2	W11		60

UN No.	Name and descriptor	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2.7.3.2	4.2.5.3	4.3	4.3.5.6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	60
2772	THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0 E0	P001		MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28	336
2772	THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	II	3+6.1	61 274	1 L E2	P001 IBC02 R001		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	336
2775	COPPER BASED PESTICIDE, SOLID, TOXIC	6.1	T7	I	6.1	61 274 648	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31	66
2775	COPPER BASED PESTICIDE, SOLID, TOXIC	6.1	T7	II	6.1	61 274 648	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	60
2775	COPPER BASED PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	60
2776	COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0 E0	P001		MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28	336
2776	COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	II	3+6.1	61 274	1 L E2	P001 IBC02 R001		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	336
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1	T7	I	6.1	61 274 648	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31	66

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5.	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1	T7	II	6.1	61 274 648	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9 CE12	60
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11 CE12	60
2778	MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0	P001		MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
2778	MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	II	3+6.1	61 274	1 L	P001 IBC02 R001		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	CE7	336
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1	T7	I	6.1	61 274 648	0	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31	CE12	66
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9 CE12	60
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11 CE12	60
2780	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0	P001		MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
2780	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	II	3+6.1	61 274	1 L	P001 IBC02 R001		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	CE7	336

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2781	BIPYRIDILUM PESTICIDE, SOLID, TOXIC	6.1	T7	I	6.1	61 274 648	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31	CE12	66
2781	BIPYRIDILUM PESTICIDE, SOLID, TOXIC	6.1	T7	II	6.1	61 274 648	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9 CE12	60
2781	BIPYRIDILUM PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11 CE12	60
2782	BIPYRIDILUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0 E0	P001		MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
2782	BIPYRIDILUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	II	3+6.1	61 274	1 L	P001 IBC02 R001		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	CE7	336
2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1	T7	I	6.1	61 274 648	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31	CE12	66
2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1	T7	II	6.1	61 274 648	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9 CE12	60
2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11 CE12	60
2784	ORGANOPHOSPHORUS PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0 E0	P001		MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336

UN No.	Name and description	Classi- fication code	Packing group	Labels	Special provi- sions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identifi- cation No.
							Packing instructions	Special packing provisions	Mixed packing provi- sions	Instruc- tions	Special provi- sions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2784	ORGANOPHOSPHORUS PESTICIDE, LIQUID, FLAMMABLE; TOXIC, flash-point less than 23 °C	3	FT2	II	61 274	1 L E2	P001 IBC02 R001		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE7	336
2785	4-THIAPENTANAL	6.1	T1	III		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2786	ORGANOTIN PESTICIDE, SOLID, TOXIC	6.1	T7	I	61 274 648	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31	CE12	66
2786	ORGANOTIN PESTICIDE, SOLID, TOXIC	6.1	T7	II	61 274 648	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9 CE12	60
2786	ORGANOTIN PESTICIDE, SOLID, TOXIC	6.1	T7	III	61 274 648	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9		CW13 CW28 CW31	60
2787	ORGANOTIN PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	61 274	0 E0	P001		MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
2787	ORGANOTIN PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	II	61 274	1 L E2	P001 IBC02 R001		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	CE7	336
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1	T3	I	43 274	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1	T3	II	43 274	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	(8)	4.1.4	(9b)	(10)	4.2.5.2, 7.3.2	4.2.5.3	4.3	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)											(19)	(20)
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1	T3	III	6.1	43 274	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2789	ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION, more than 80% acid, by mass	8	CF1	II	8+3		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	83
2790	ACETIC ACID SOLUTION, not less than 50% but not more than 80% acid, by mass	8	C3	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80
2790	ACETIC ACID SOLUTION, more than 10% and less than 50% acid, by mass	8	C3	III	8	597 647	5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
2793	FERROUS METAL BORINGS, SHAVINGS, TURNINGS or CUTTINGS in a form liable to self-heating	4.2	S4	III	4.2	592	0 E1	P003 IBC08 LP02 R001	PP20 B3 B6	MP14					3	W1	VW4		CE11	40
2794	BATTERIES, WET, FILLED WITH ACID, electric storage	8	C11		8	295 598	1 L E0	P801 P801a							3		VW14		CE8	80
2795	BATTERIES, WET, FILLED WITH ALKALI, electric storage	8	C11		8	295 598	1 L E0	P801 P801a							3		VW14		CE8	80
2796	SULPHURIC ACID with not more than 51% acid or BATTERY FLUID, ACID	8	C1	II	8		1 L E2	P001 IBC02		MP15	T8	TP2	L4BN		2				CE6	80
2797	BATTERY FLUID, ALKALI	8	C5	II	8		1 L E2	P001 IBC02		MP15	T7	TP2 TP28	L4BN		2				CE6	80
2798	PHENYLPHOSPHORUS DICHLORIDE	8	C3	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80
2799	PHENYLPHOSPHORUS THIODICHLORIDE	8	C3	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80
2800	BATTERIES, WET, NON-SPILLABLE, electric storage	8	C11		8	238 295 598	1 L E0	P003 P801a	PP16						3		VW14		CE8	80
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8	C9	I	8	274	0 E0	P001		MP8 MP17	T14	TP2 TP27	L10BH	TU38 TE22	1					88

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.1.3	2.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.2, 7.3.2	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8	C9	II	8	274	1 L	P001 IBC02		MP15	TP2	TP27	L4BN		2				CE6	80
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8	C9	III	8	274	5 L	P001 IBC03 LP01 R001		MP19	TP1	TP28	L4BN		3	W12			CE8	80
2802	COPPER CHLORIDE	8	C2	III	8		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3		VW9		CE11	80
2803	GALLIUM	8	C10	III	8		5 kg	P800	PP41	MP10	T1	TP33	SGAV L4BN		3		VW9		CE11	80
2805	LITHIUM HYDRIDE, FUSED SOLID	4.3	W2	II	4.3		500 g	P410 IBC04	PP40	MP14	T3	TP33	SGAN		2	W1		CW23	CE10	423
2806	LITHIUM NITRIDE	4.3	W2	I	4.3		0	P403 IBC04		MP2					1	W1		CW23		X423
2807	Magnetized material	9	M11																	
2809	MERCURY	8	CT1	III	8+6.1	365	5 kg	P800		MP15			L4BN		3			CW13 CW28	CE8	86
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	T1	I	6.1	274 315 614	0	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	T1	II	6.1	274 614	100 ml	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1	T1	III	6.1	274 614	5 L	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1	T2	I	6.1	274 614	0	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU15 TU38 TE22	1	W10		CW13 CW28 CW31		66

NOT SUBJECT TO RID

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1	T2	II	6.1	274 614	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1	T2	III	6.1	274 614	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2	VW9		CW13 CW28 CW31	CE11	60
2812	Sodium aluminate, solid	8	C6																	
2813	WATER-REACTIVE SOLID, N.O.S.	4.3	W2	I	4.3	274	0	P403 IBC99	PP83	MP2	T9	TP7 TP33	S10AN L10DH	TU4 TU14 TU22 TU38 TE21 TE22 TM2	0	W1		CW23		X423
2813	WATER-REACTIVE SOLID, N.O.S.	4.3	W2	II	4.3	274	500 g	P410 IBC07	PP83	MP14	T3	TP33	SGAN		0	W1		CW23	CE10	423
2813	WATER-REACTIVE SOLID, N.O.S.	4.3	W2	III	4.3	274	1 kg	P410 IBC08 R001	PP83 B4	MP14	T1	TP33	SGAN		0	W1	VW5	CW23	CE11	423
2814	INFECTIOUS SUBSTANCE, AFFECTING HUMANS	6.2	I1		6.2	318	0	P620		MP5					0	W9		CW13 CW18 CW26 CW28	CE14	606
2814	INFECTIOUS SUBSTANCE, AFFECTING HUMANS, in refrigerated liquid nitrogen	6.2	I1		6.2+2.2	318	0	P620		MP5					0	W9		CW13 CW18 CW26 CW28	CE14	606
2814	INFECTIOUS SUBSTANCE, AFFECTING HUMANS (animal material only)	6.2	I1		6.2	318	0	P620		MP5	BK1 BK2				0	W9		CW13 CW18 CW26 CW28	CE14	606
2815	N-AMINOETHYLPIPERAZINE	8	C7	III	8		5 L	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 4.2.5.3	4.3	4.3.5, 4.3.6	4.3.5, 4.3.6	1.1.3.1c	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
2817	AMMONIUM HYDROGENDIFLUORIDE SOLUTION	8	CT1	II	8+6.1		1 L E2	P001 IBC02		MP15	T8	TP2	L4DH	TU14 TE17 TE21	2			CW13 CW28	86
2817	AMMONIUM HYDROGENDIFLUORIDE SOLUTION	8	CT1	III	8+6.1		5 L E1	P001 IBC03 R001		MP19	T4	TP1	L4DH	TU14 TE21	3	W12		CW13 CW28	86
2818	AMMONIUM POLYSULPHIDE SOLUTION	8	CT1	II	8+6.1		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2			CW13 CW28	86
2818	AMMONIUM POLYSULPHIDE SOLUTION	8	CT1	III	8+6.1		5 L E1	P001 IBC03 R001		MP19	T4	TP1	L4BN		3	W12		CW13 CW28	86
2819	AMYL ACID PHOSPHATE	8	C3	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			80
2820	BUTYRIC ACID	8	C3	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			80
2821	PHENOL SOLUTION	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	60
2821	PHENOL SOLUTION	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	60
2822	2-CHLOROPYRIDINE	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	60
2823	CROTONIC ACID, SOLID	8	C4	III	8		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV L4BN		3	VW9		CE11	80
2826	ETHYL CHLOROTHIOFORMATE	8	CF1	II	8+3		0 E2	P001		MP15	T7	TP2	L4BN		2			CE6	83

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Coils express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct- tions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.3.5.1.2	4.1.4	4.1.10	4.3	1.1.3.10	7.2.4	7.3.3	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(12)	(15)	(16)	(17)	(19)
2829	CAPROIC ACID	8	C3	III	8		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	3	W12		80
2830	LITHIUM FERROSILICON	4.3	W2	II	4.3		500 g E2	P410 IBC07	MP14	TP33	2	W1	CW23	423
2831	1,1,1-TRICHLOROETHANE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	2	W12	CW13 CW28 CW31	60
2834	PHOSPHOROUS ACID	8	C2	III	8		5 kg E1	P002 IBC08 LP02 R001	MP10	TP33	3	VW9		80
2835	SODIUM ALUMINIUM HYDRIDE	4.3	W2	II	4.3		500 g E2	P410 IBC04	MP14	TP33	2	W1	CW23	423
2837	BISULPHATES, AQUEOUS SOLUTION	8	C1	II	8		1 L E2	P001 IBC02	MP15	TP2	2		CE6	80
2837	BISULPHATES, AQUEOUS SOLUTION	8	C1	III	8		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	3	W12	CE8	80
2838	VINYL BUTYRATE, STABILIZED	3	F1	II	3		1 L E2	P001 IBC02 R001	MP19	TP1	2		CE7	339
2839	ALDOL	6.1	T1	II	6.1		100 ml E4	P001 IBC02	MP15	TP2	2		CW13 CW28 CW31	60
2840	BUTYRALDOXIME	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	3	W12	CE4	30
2841	DI-n-AMYLAMINE	3	FT1	III	3+6.1		5 L E1	P001 IBC03 R001	MP19	TP1	3	W12	CW13 CW28	36

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2842	NITROETHANE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2844	CALCIUM MANGANESE SILICON	4.3	W2	III	4.3		1 kg E1	P410 IBC08 R001	B4	MP14	T1	TP33	SGAN		3	W1	VW5 VW7	CW23	CE11	423
2845	PYROPHORIC LIQUID, ORGANIC, N.O.S.	4.2	S1	I	4.2	274	0 E0	P400		MP2	T22	TP2 TP7	L21DH	TU14 TU38 TC1 TE21 TE22 TE25 TM1	0	W1				333
2846	PYROPHORIC SOLID, ORGANIC,	4.2	S2	I	4.2	274	0 E0	P404		MP13					0	W1				43
2849	3-CHLOROPROPANOL-1	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2850	PROPYLENE TETRAMER	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2851	BORON TRIFLUORIDE DIHYDRATE	8	C1	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80
2852	DIPICTYL SULPHIDE, WETTED with not less than 10% water, by mass	4.1	D	I	4.1	545	0 E0	P406	PP24	MP2					1	W1				40
2853	MAGNESIUM FLUOROSILICATE	6.1	T5	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2854	AMMONIUM FLUOROSILICATE	6.1	T5	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2855	ZINC FLUOROSILICATE	6.1	T5	III	6.1		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2	VW9	CW13 CW28 CW31	CE11	60
2856	FLUOROSILICATES, N.O.S.	6.1	T5	III	6.1	274	5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2	VW9	CW13 CW28 CW31	CE11	60
2857	REFRIGERATING MACHINES containing non-flammable, non-toxic gases or ammonia solutions (UN 2672)	2	6A		2.2	119	0	E0	P003	PP32	MP9				3			CW9	CE2	20
2858	ZIRCONIUM, DRY, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	4.1	F3	III	4.1	546	5 kg	E1	P002 LP02 R001		MP11				3	W1	VW1		CE11	40
2859	AMMONIUM METAVANADATE	6.1	T5	II	6.1		500 g	E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11	CW13 CW28 CW31	CE9	60
2861	AMMONIUM POLYVANADATE	6.1	T5	II	6.1		500 g	E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11	CW13 CW28 CW31	CE9	60
2862	VANADIUM PENTOXIDE, non-fused form	6.1	T5	III	6.1	600	5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH	TU15	2	VW9	CW13 CW28 CW31	CE11	60
2863	SODIUM AMMONIUM VANADATE	6.1	T5	II	6.1		500 g	E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11	CW13 CW28 CW31	CE9	60
2864	POTASSIUM METAVANADATE	6.1	T5	II	6.1		500 g	E4	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11	CW13 CW28 CW31	CE9	60
2865	HYDROXYLAMINE SULPHATE	8	C2	III	8		5 kg	E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3	VW9		CE11	80
2869	TITANIUM TRICHLORIDE MIXTURE	8	C2	II	8		1 kg	E2	P002 IBC08	B4	MP10	T3	TP33	SGAN		2	W11		CE10	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Collis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.5.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2869	TITANIUM TRICHLORIDE MIXTURE	8	C2	III	8		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3		VW9		CE11	80
2870	ALUMINIUM BOROHYDRIDE	4.2	SW	I	4.2+4.3		0 E0	P400		MP2	T21	TP7 TP33	L21DH	TU14 TU38 TC1 TE21 TE22 TE25 TM1	0	W1				X333
2870	ALUMINIUM BOROHYDRIDE IN DEVICES	4.2	SW	I	4.2+4.3		0 E0	P002	PP13	MP2					0	W1				X333
2871	ANTIMONY POWDER	6.1	T5	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
2872	DIBROMOCHLOROPROPANES	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2872	DIBROMOCHLOROPROPANES	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2873	DIBUTYLAMINOETHANOL	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2874	FURFURYL ALCOHOL	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2875	HEXACHLOROPHENE	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.1.1.3		5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.16	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
2876	RESORCINOL	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	60
2878	TITANIUM SPONGE GRANULES or TITANIUM SPONGE POWDERS	4.1	F3	III	4.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP11	T1	TP33	SGAV		3	W1	VW1		40
2879	SELENIUM OXYCHLORIDE	8	CT1	I	8+6.1		0 E0	P001		MP8	T10	TP2	L10BH	TU38 TE22	1			CW13 CW28	X886
2880	CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, with not less than 5.5% but not more than 16% water	5.1	O2	II	5.1	314 322	1 kg E2	P002 IBC08	B4 B13	MP10			SGAN	TU3	2	W11		CW24 CW35	50
2880	CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, with not less than 5.5% but not more than 16% water	5.1	O2	III	5.1	314	5 kg E1	P002 IBC08 R001	B4 B13	MP10			SGAV	TU3	3		VW8	CW24 CW35	50
2881	METAL CATALYST, DRY	4.2	S4	I	4.2	274	0 E0	P404		MP13	T21	TP7 TP33			0	W1			43
2881	METAL CATALYST, DRY	4.2	S4	II	4.2	274	0 E2	P410 IBC06		MP14	T3	TP33	SGAN		2	W1			40
2881	METAL CATALYST DRY	4.2	S4	III	4.2	274	0 E1	P002 IBC08 LP02 R001	B3	MP14	T1	TP33	SGAN		3	W1	VW4		40
2900	INFECTIOUS SUBSTANCE, AFFECTING ANIMALS only	6.2	I2		6.2	318	0 E0	P620		MP5					0	W9		CW13 CW18 CW26 CW28	606
2900	INFECTIOUS SUBSTANCE, AFFECTING ANIMALS only, in refrigerated liquid nitrogen	6.2	I2		6.2+2.2	318	0 E0	P620		MP5					0	W9		CW13 CW18 CW26 CW28	606

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct- tions	Special provi- sions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 4.2.5.3, 7.3.2	4.3.5, 6.8.4	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2900	INFECTIOUS SUBSTANCE, AFFECTING ANIMALS only (animal material only)	6.2	12		6.2	318	0	E0	P620	MP5	BK1 BK2				0	W9		CW13 CW18 CW26 CW28	CE14	606
2901	BROMINE CHLORIDE	2	2TOC		2.3+5.1+8 (+13)		0	E0	P200	MP9	(M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		265
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1	T6	I	6.1	61 274 648	0	E5	P001	MP8 MP17	T14 TP27		L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	66
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1	T6	II	6.1	61 274 648	100 ml	E4	P001 IBC02	MP15	T11 TP27		L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	60
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1	T6	III	6.1	61 274 648	5 L	E1	P001 IBC03 LP01 R001	MP19	T7 TP28		L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	60
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0	E5	P001	MP8 MP17	T14 TP27		L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	663
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml	E4	P001 IBC02	MP15	T11 TP27		L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	63
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L	E1	P001 IBC03 R001	MP19	T7		L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	63
2904	CHLOROPHENOLATES, LIQUID or PHENOLATES, LIQUID	8	C9	III	8		5 L	E1	P001 IBC03 LP01 R001	MP19			L4BN		3	W12			CE8	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2905	CHLOROPHENOLATES, SOLID or PHENOLATES, SOLID	8	C10	III	8		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV L4BN		3		VW9		CE11	80
2907	ISOSORBIDE DINITRATE MIXTURE with not less than 60% lactose, mannose, starch or calcium hydrogen phosphate	4.1	D	II	4.1	127	0	P406	PP26 PP80 B12	MP2					2	W1			CE10	40
2908	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - EMPTY PACKAGING	7				290	0	see 1.7	see 4.1.9.1.3						4			CW33	CE15	70
2909	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED FROM NATURAL URANIUM or DEPLETED URANIUM or NATURAL THORIUM	7				290	0	see 1.7	see 4.1.9.1.3						4			CW33	CE15	70
2910	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL	7				290	0	see 1.7	see 4.1.9.1.3						4			CW33	CE15	70
2911	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - INSTRUMENTS or ARTICLES	7				290	0	see 1.7	see 4.1.9.1.3						4			CW33	CE15	70
2912	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), non fissile or fissile-excepted	7			7X	172 317 325	0	see 2.2.7 and 4.1.9	see 4.1.9.1.3		T5	TP4	S2.65AN(+) L2.65CN(+)	TU36 TT7 TM7	0		VW16	CW33	CE15	70
2913	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), non fissile or fissile-excepted	7			7X	172 317 336	0	see 2.2.7 and 4.1.9	see 4.1.9.1.3						0		VW17	CW33	CE15	70
2915	RADIOACTIVE MATERIAL, TYPE A PACKAGE, non-special form, non fissile or fissile-excepted	7			7X	172 317 325	0	see 2.2.7 and 4.1.9	see 4.1.9.1.3						0			CW33	CE15	70
2916	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, non fissile or fissile-excepted	7			7X	172 317 325 337	0	see 2.2.7 and 4.1.9	see 4.1.9.1.3						0			CW33	CE15	70
2917	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non fissile or fissile-excepted	7			7X	172 317 325 337	0	see 2.2.7 and 4.1.9	see 4.1.9.1.3						0			CW33	CE15	70

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.				
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provisions	Tank code Special provisions		Packages	Bulk	Loading, unloading and handling						
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2919	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, non fissile or fissile-excepted	7			7X	172 317 325	0 E0	see 2.2.7 and 4.1.9							0			CW33	CE15	70
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	CF1	I	8+3	274	0 E0	P001	MP8 MP17	TP2 TP27	1									883
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	CF1	II	8+3	274	1 L E2	P001 IBC02	MP15 TP27	TP2 TP27	2								CE6	83
2921	CORROSIVE SOLID, FLAMMABLE, N.O.S.	8	CF2	I	8+4.1	274	0 E0	P002 IBC05	MP18 TP33	T6 TP33	1	W10								884
2921	CORROSIVE SOLID, FLAMMABLE, N.O.S.	8	CF2	II	8+4.1	274	1 kg E2	P002 IBC08	MP10 TP33	T3 TP33	2	W11							CE10	84
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	CT1	I	8+6.1	274	0 E0	P001	MP8 MP17	T14 TP27	1							CW13 CW28		886
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	CT1	II	8+6.1	274	1 L E2	P001 IBC02	MP15 TP2	T7 TP2	2							CW13 CW28	CE6	86
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	CT1	III	8+6.1	274	5 L E1	P001 IBC03 R001	MP19 TP28	T7 TP28	3	W12						CW13 CW28	CE8	86
2923	CORROSIVE SOLID, TOXIC, N.O.S.	8	CT2	I	8+6.1	274	0 E0	P002 IBC05	MP18 TP33	T6 TP33	1	W10						CW13 CW28		886
2923	CORROSIVE SOLID, TOXIC, N.O.S.	8	CT2	II	8+6.1	274	1 kg E2	P002 IBC08	MP10 TP33	T3 TP33	2	W11						CW13 CW28	CE10	86
2923	CORROSIVE SOLID, TOXIC, N.O.S.	8	CT2	III	8+6.1	274	5 kg E1	P002 IBC08 R001	MP10 TP33	T1 TP33	3		VW9					CW13 CW28	CE11	86
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	FC	I	3+8	274	0 E0	P001	MP7 MP17	T14 TP2	1									338
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	FC	II	3+8	274	1 L E2	P001 IBC02	MP19 TP27	T11 TP27	2								CE7	338
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	FC	III	3+8	274	5 L E1	P001 IBC03 R001	MP19 TP28	T7 TP28	3	W12							CE4	38
2925	FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.	4.1	FC1	II	4.1+8	274	1 kg E2	P002 IBC06	MP10 TP33	T3 TP33	2	W1							CE10	48

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provi- sions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2925	FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.	4.1	FC1	III	4.1+8	274	5 kg	E1	P002 IBC06 R001	MP10	T1	TP33	SGAN		3	W1			CE11	48
2926	FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.	4.1	FT1	II	4.1+6.1	274	1 kg	E2	P002 IBC08	MP10	T3	TP33	SGAN		2	W1		CW28	CE10	46
2926	FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.	4.1	FT1	III	4.1+6.1	274	5 kg	E1	P002 IBC06 R001	MP10	T1	TP33	SGAN		3	W1		CW28	CE11	46
2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1	TC1	I	6.1+8	274 315	0	E5	P001	MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		668
2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1	TC1	II	6.1+8	274	100 ml	E4	P001 IBC02	MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	68
2928	TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	6.1	TC2	I	6.1+8	274	0	E5	P002 IBC05	MP18	T6	TP33	S10AH	TU14 TU15 TE21	1	W10		CW13 CW28 CW31		668
2928	TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	6.1	TC2	II	6.1+8	274	500 g	E4	P002 IBC06	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	68
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	TF1	I	6.1+3	274 315	0	E5	P001	MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	TF1	II	6.1+3	274	100 ml	E4	P001 IBC02	MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	63
2930	TOXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.	6.1	TF3	I	6.1+4.1	274	0	E5	P002 IBC05	MP18	T6	TP33			1	W10		CW13 CW28 CW31		664
2930	TOXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.	6.1	TF3	II	6.1+4.1	274	500 g	E4	P002 IBC08	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	64

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Coils express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3	7.2.4	7.3.3	7.5.11
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(10)	(12)	(16)	(17)	(18)
2931	VANADYL SULPHATE	6.1	T5	II	6.1		500 g	P002 IBC08	MP10	T3 TP33	SGAH TU15	W11		CW13 CW28 CW31
2933	METHYL 2-CHLOROPROPIONATE	3	F1	III	3		5 L	P001 IBC03 LP01 R001	MP19	T2 TP1	LGBF	W12		CE4
2934	ISOPROPYL 2-CHLOROPROPIONATE	3	F1	III	3		5 L	P001 IBC03 LP01 R001	MP19	T2 TP1	LGBF	W12		CE4
2935	ETHYL 2-CHLOROPROPIONATE	3	F1	III	3		5 L	P001 IBC03 LP01 R001	MP19	T2 TP1	LGBF	W12		CE4
2936	THIOLACTIC ACID	6.1	T1	II	6.1		100 ml	P001 IBC02	MP15	T7 TP2	L4BH			CW13 CW28 CW31
2937	alpha-METHYLBENZYL ALCOHOL, LIQUID	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001	MP19	T4 TP1	L4BH	W12		CW13 CW28 CW31
2940	9-PHOSPHABICYCLO-NONANES (CYCLOOCTADIENE PHOSPHINES)	4.2	S2	II	4.2		0	P410 IBC06	MP14	T3 TP33	SGAN	W1		CE10
2941	FLUOROANILINES	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001	MP19	T4 TP1	L4BH	W12		CW13 CW28 CW31
2942	2-TRIFLUOROMETHYLANILINE	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001	MP19		L4BH	W12		CW13 CW28 CW31
2943	TETRAHYDROFURFURYLAMINE	3	F1	III	3		5 L	P001 IBC03 LP01 R001	MP19	T2 TP1	LGBF	W12		CE4

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2945	N-METHYLBUTYLAMINE	3	FC	II	3+8		1 L E2	P001 IBC02		MP19	T7	TP1	L4BH		2				CE7	338
2946	2-AMINO-5-DIETHYLAMINOPENTANE	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
2947	ISOPROPYL CHLOROACETATE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
2948	3-TRIFLUOROMETHYLANILINE	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2949	SODIUM HYDROSULPHIDE, HYDRATED with not less than 25% water of crystallization	8	C6	II	8	523	1 kg E2	P002 IBC08	B4	MP10	T7	TP2	SGAN L4BN		2	W11			CE10	80
2950	MAGNESIUM GRANULES, COATED, particle size not less than 149 microns	4.3	W2	III	4.3		1 kg E1	P410 IBC08 R001	B4	MP14	T1 BK2	TP33	SGAN		3	W1	VW5	CW23	CE11	423
2956	5-tert-BUTYL-2,4,6-TRINITRO-m-XYLENE (MUSK XYLENE)	4.1	SR1	III	4.1	638	5 kg E1	P409		MP2					3	W1			CE11	40
2965	BORON TRIFLUORIDE DIMETHYL ETHERATE	4.3	WFC	I	4.3+3+8		0 E0	P401		MP2	T10	TP2 TP7	L10DH	TU4 TU14 TU22 TU38 TE21 TE22 TM2	0	W1		CW23		382
2966	THIOGLYCOL	6.1	T1	II	6.1		100 ml E4	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
2967	SULPHAMIC ACID	8	C2	III	8		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3		VW9		CE11	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2968	MANEB, STABILIZED or MANEB PREPARATION, STABILIZED against self-heating	4.3	W2	III	4.3	547	1 kg E1	P002 IBC08 R001	B4	MP14	T1	TP33	SGAN		0	W1	VW5	CW23	CE11	423
2969	CASTOR BEANS or CASTOR MEAL or CASTOR POMACE or CASTOR FLAKE	9	M11	II	9	141	5 kg E2	P002 IBC08	PP34 B4	MP10	T3 BK1 BK2	TP33	SGAV		2	W11	VW9	CW31	CE9	90
2977	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSION	7			7X+7E+8	172	0 E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3						0			CW33	CE15	78
2978	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non fissile or fissile-excepted	7			7X+8	172 317	0 E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3						0			CW33	CE15	78
2983	ETHYLENE OXIDE AND PROPYLENE OXIDE MIXTURE, not more than 30% ethylene oxide	3	FT1	I	3+6.1		0 E0	P001		MP7 MP17	T14	TP2 TP7	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
2984	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 8% but less than 20% hydrogen peroxide (stabilized as necessary)	5.1	O1	III	5.1	65	5 L E1	P504 IBC02 R001	PP10 B5	MP15	T4	TP1 TP6 TP24	LGBV	TU3 TC2 TE8 TE11 TT1	3			CW24	CE8	50
2985	CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.	3	FC	II	3+8	548	0 E0	P010		MP19	T14	TP2 TP7 TP27	L4BH		2				CE7	X338
2986	CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.	8	CF1	II	8+3	548	0 E0	P010		MP15	T14	TP2 TP7 TP27	L4BN		2				CE6	X83
2987	CHLOROSILANES, CORROSIVE, N.O.S.	8	C3	II	8	548	0 E0	P010		MP15	T14	TP2 TP7 TP27	L4BN		2				CE6	X80
2988	CHLOROSILANES, WATER-REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.	4.3	WFC	I	4.3+3+8	549	0 E0	P401	RR7	MP2	T14	TP2 TP7	L10DH	TU14 TU26 TU38 TE21 TE22 TM2 TM3	0	W1	CW23		X338	

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
2989	LEAD PHOSPHITE, DIBASIC	4.1	F3	II	4.1		1 kg E2	P002 IBC08	B4	MP11	T3	TP33	SGAN		2	W1			CE10	40
2989	LEAD PHOSPHITE, DIBASIC	4.1	F3	III	4.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40
2990	LIFE- SAVING APPLIANCES, SELF- INFLATING	9	M5		9	296 635	0 E0	P905							3				CE2	90
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	663
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	63
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L E1	P001 IBC03 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	63
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	66
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	60
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	60
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	663

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Coils express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct- tions	Tank code		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.3	1.1.3.1e	7.2.4	7.6	53.2.3
	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(12)	(13)	(16)	(19)	(20)
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml	P001 IBC02	MP15 TP27	L4BH	2		CE5 CE12	63
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L	P001 IBC03 R001	T7 TP28	L4BH	2	W12	CE8 CE12	63
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0	P001	T14 TP27	L10CH	1		CE12	66
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml	P001 IBC02	T11 TP27	L4BH	2		CE5 CE12	60
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L	P001 IBC03 LP01 R001	T7 TP28	L4BH	2	W12	CE8 CE12	60
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0	P001	T14 TP27	L10CH	1		CE12	663
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml	P001 IBC02	T11 TP27	L4BH	2		CE5 CE12	63
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L	P001 IBC03 R001	T7 TP28	L4BH	2	W12	CE8 CE12	63
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0	P001	T14 TP27	L10CH	1		CE12	66
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml	P001 IBC02	T11 TP27	L4BH	2		CE5 CE12	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.16	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)		(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	60
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	663
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	63
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L E1	P001 IBC03 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	63
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	66
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	60
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	60
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0 E5	P001		MP8 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	663
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	63

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
(1)	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L	E1	P001 IBC03 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	63
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0	E5	P001		MP8 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	66
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml	E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	60
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L	E1	P001 IBC03 LP01 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	60
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0	E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	663
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml	E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	63
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L	E1	P001 IBC03 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	63
3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0	E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	66
3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml	E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L E1	P001 IBC03 LP01 R001		MP19	T7 TP28	TP2	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	60
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0 E5	P001		MP8 MP17	T14 TP27	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	663
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml E4	P001 IBC02		MP15	T11 TP27	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	63
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L E1	P001 IBC03 R001		MP19	T7 TP28	TP2	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	63
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0 E5	P001		MP8 MP17	T14 TP27	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	66
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml E4	P001 IBC02		MP15	T11 TP27	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	60
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L E1	P001 IBC03 LP01 R001		MP19	T7 TP28	TP2	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	60
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0 E5	P001		MP8 MP17	T14 TP27	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	663
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml E4	P001 IBC02		MP15	T11 TP27	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	63

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colis express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.3.5.1.2	4.1.4	4.1.4	4.2.5.2, 7.3.2	4.3	4.3.5, 6.8.4	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(10)	(11)	(12)	(13)	(14)
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L E1	P001 IBC03 R001	MP19	T7 TP28	L4BH TU15	2	W12	63
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0 E5	P001	MP8 MP17	T14 TP27	L10CH TU14 TU15 TU38 TE21 TE22	1		66
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml E4	P001 IBC02	MP15	T11 TP27	L4BH TU15	2		60
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L E1	P001 IBC03 LP01 R001	MP19	T7 TP28	L4BH TU15	2	W12	60
3015	BIPYRIDILUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0 E5	P001	MP8 MP17	T14 TP27	L10CH TU14 TU15 TU38 TE21 TE22	1		663
3015	BIPYRIDILUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml E4	P001 IBC02	MP15	T11 TP27	L4BH TU15	2		63
3015	BIPYRIDILUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L E1	P001 IBC03 R001	MP19	T7 TP28	L4BH TU15	2	W12	63
3016	BIPYRIDILUM PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0 E5	P001	MP8 MP17	T14 TP27	L10CH TU14 TU15 TU38 TE21 TE22	1		66
3016	BIPYRIDILUM PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml E4	P001 IBC02	MP15	T11 TP27	L4BH TU15	2		60

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging				Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions	Packages		Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)	
3016	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	60	
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	663	
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	63	
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L E1	P001 IBC03 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	63	
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	66	
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	60	
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	60	
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE; flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	663	
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE; flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	63	

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L E1	P001 IBC03 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	63
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	66
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	60
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	60
3021	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0 E0	P001		MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
3021	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flash-point less than 23 °C	3	FT2	II	3+6.1	61 274	1 L E2	P001 IBC02 R001		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	CE7	336
3022	1,2-BUTYLENE OXIDE, STABILIZED	3	F1	II	3		1 L E2	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	339
3023	2-METHYL-2-HEPTANETHIOL	6.1	TF1	I	6.1+3	354	0 E0	P602		MP8 MP17	T20	TP2 TP35	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
3024	COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0 E0	P001		MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3024	COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point not less than 23 °C	3	FT2	II	3+6.1	61 274	1 L E2	P001 IBC02 R001		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	CE7	336
3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	663
3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	63
3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L E1	P001 IBC03 R001		MP19	T7	TP1 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	63
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	66
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	60
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	60
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	T7	I	6.1	61 274 648	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31	CE12	66
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	T7	II	6.1	61 274 648	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9 CE12	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11 CE12	60
3028	BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID, electric storage	8	C11		8	295 304 598	2 kg E0	P801 P801a							3		VW14		CE11	80
3048	ALUMINIUM PHOSPHIDE PESTICIDE	6.1	T7	I	6.1	153 648	0 E5	P002 IBC07		MP18	T6	TP33	S10AH	TU15	1	W10		CW13 CW28 CW31		642
3054	CYCLOHEXYL MERCAPTAN	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
3055	2-(2-AMINOETHOXY)ETHANOL	8	C7	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
3056	n-HEPTALDEHYDE	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
3057	TRIFLUOROACETYL CHLORIDE	2	2TC		2.3+8 (+13)		0 E0	P200		MP9	T50	TP21	PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		268
3064	NITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin	3	D	II	3	359	0 E0	P300		MP2					2					33
3065	ALCOHOLIC BEVERAGES, with more than 70% alcohol by volume	3	F1	II	3		5 L E2	P001 IBC02 R001	PP2	MP19	T4	TP1	LGBF		2				CE7	33
3065	ALCOHOLIC BEVERAGES, with more than 24% but not more than 70% alcohol by volume	3	F1	III	3	144 145 247	5 L E1	P001 IBC03 R001	PP2	MP19	T2	TP1	LGBF		3	W12			CE4	30

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers	RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions		Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.2	2.1+3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	1.1.3.16	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)	8	C9	II	8	163	1 L	P001 IBC02		MP15	T7	TP2 TP28	L4BN	2				80
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)	8	C9	III	8	163	5 L	P001 IBC03 R001		MP19	T4	TP1 TP29	L4BN	3	W12			80
3070	ETHYLENE OXIDE AND DICHLORODIFLUOROMETHANE MIXTURE with not more than 12.5% ethylene oxide	2	2A		2.2 (+13)		120 ml	P200		MP9	T50 (M)		PxBN(M)	3			CW9 CW10 CW36	20
3071	MERCAPTANS, LIQUID, TOXIC, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, TOXIC, FLAMMABLE, N.O.S.	6.1	TF1	II	6.1+3	274	100 ml	P001 IBC02		MP15	T11	TP2 TP27	L4BH	2			CW13 CW28 CW31	63
3072	LIFE-SAVING APPLIANCES NOT SELF-INFLATING containing dangerous goods as equipment	9	M5		9	296 635	0	P905						3				90
3073	VINYLPYRIDINES, STABILIZED	6.1	TFC	II	6.1+3+8		100 ml	P001 IBC01		MP15	T7	TP2	L4BH	2			CW13 CW28 CW31	638
3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	9	M7	III	9	274 335 601	5 kg	P002 IBC08 LP02 R001	PP12 B3	MP10	T1 BK1 BK2	TP33	SGAV LGBV	3	W13	VW1	CW13 CW31	90
3078	CERIUM, turnings or gritty powder	4.3	W2	II	4.3	550	500 g	P410 IBC07		MP14	T3	TP33	SGAN	2	W1		CW23	423
3079	METHACRYLONITRILE, STABILIZED	6.1	TF1	I	6.1+3	354	0	P602		MP8 MP17	T20	TP2 TP37	L10CH	1			CW13 CW28 CW31	663

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1e	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3080	ISOCYANATES, TOXIC, FLAMMABLE, N.O.S. or ISOCYANATE SOLUTION, TOXIC, FLAMMABLE, N.O.S.	6.1	TF1	II	6.1+3	274 551	100 ml	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	63
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	M6	III	9	274 335 601	5 L	P001 IBC03 LP01 R001	PP1	MP19	T4	TP1 TP29	LGBV		3	W12		CW13 CW31	CE8	90
3083	PERCHLORYL FLUORIDE	2	2TO		2.3+5.1 (+13)		0	P200		MP9	(M)		PXBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		265
3084	CORROSIVE SOLID, OXIDIZING, N.O.S.	8	CO2	I	8+5.1	274	0	P002		MP18	T6	TP33	S10AN L10BH	TU38 TE22	1			CW24		885
3084	CORROSIVE SOLID, OXIDIZING, N.O.S.	8	CO2	II	8+5.1	274	1 kg	P002 IBC06		MP10	T3	TP33	SGAN L4BN		2	W11		CW24	CE10	85
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	OC2	I	5.1+8	274	0	P503		MP2			SGAN	TU3	1			CW24		558
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	OC2	II	5.1+8	274	1 kg	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	58
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	OC2	III	5.1+8	274	5 kg	P002 IBC08 R001	B3	MP2	T1	TP33	SGAN	TU3	3			CW24	CE11	58
3086	TOXIC SOLID, OXIDIZING, N.O.S.	6.1	TO2	I	6.1+5.1	274	0	P002		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		665
3086	TOXIC SOLID, OXIDIZING, N.O.S.	6.1	TO2	II	6.1+5.1	274	500 g	P002 IBC06		MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	65
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	OT2	I	5.1+6.1	274	0	P503		MP2					1			CW24 CW28		556
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	OT2	II	5.1+6.1	274	1 kg	P002 IBC06		MP2	T3	TP33	SGAN	TU3	2	W11		CW24 CW28	CE10	56

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	OT2	III	5.1+6.1	274	5 kg E1	P002 IBC08 R001	B3	MP2	T1	TP33	SGAN	TU3	3			CW24 CW28	CE11	56
3088	SELF-HEATING SOLID, ORGANIC, N.O.S.	4.2	S2	II	4.2	274	0 E2	P410 IBC06		MP14	T3	TP33	SGAV		2	W1			CE10	40
3088	SELF-HEATING SOLID, ORGANIC, N.O.S.	4.2	S2	III	4.2	274	0 E1	P002 IBC08 LP02 R001	B3	MP14	T1	TP33	SGAV		3	W1			CE11	40
3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1	F3	II	4.1	552	1 kg E2	P002 IBC08	B4	MP11	T3	TP33	SGAN		2	W1			CE10	40
3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1	F3	III	4.1	552	5 kg E1	P002 IBC06 R001		MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40
3090	LITHIUM METAL BATTERIES (including lithium alloy batteries)	9	M4	II	9	188 230 310 636 661	0 E0	P903 P903a P903b							2				CE2	90
3091	LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT (including lithium alloy batteries)	9	M4	II	9	188 230 360 636 661	0 E0	P903 P903a P903b							2				CE2	90
3092	1-METHOXY-2-PROPANOL	3	F1	III	3		5 L E1	P001 IBC03 LP01 R001		MP19	T2	TP1	LGBF		3	W12			CE4	30
3093	CORROSIVE LIQUID, OXIDIZING, N.O.S.	8	CO1	I	8+5.1	274	0 E0	P001		MP8 MP17			L10BH	TU38 TE22	1			CW24		885
3093	CORROSIVE LIQUID, OXIDIZING, N.O.S.	8	CO1	II	8+5.1	274	1 L E2	P001 IBC02		MP15			L4BN		2			CW24	CE6	85
3094	CORROSIVE LIQUID, WATER-REACTIVE, N.O.S.	8	CW1	I	8+4.3	274	0 E0	P001		MP8 MP17			L10BH	TU38 TE22	1					823
3094	CORROSIVE LIQUID, WATER-REACTIVE, N.O.S.	8	CW1	II	8+4.3	274	1 L E2	P001		MP15			L4BN		2				CE6	823

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Coils express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct- tions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.3	1.1.3.1c)	7.2.4	7.3.3	5.3.2.3
(1)	(2)	8	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(10)	(11)	(12)	(13)	(14)
3095	CORROSIVE SOLID, SELF-HEATING, N.O.S.	8	CS2	I	8+4.2	274	0	P002	MP18	TP33	1			884
3095	CORROSIVE SOLID, SELF-HEATING, N.O.S.	8	CS2	II	8+4.2	274	1 kg	P002	MP10	TP33	2	W11		84
3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.	8	CW2	I	8+4.3	274	0	P002	MP18	TP33	1			842
3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.	8	CW2	II	8+4.3	274	1 kg	P002	MP10	TP33	2	W11		842
3097	FLAMMABLE SOLID, OXIDIZING, N.O.S.	4.1	FO											
3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	OC1	I	5.1+8	274	0	P502	MP2		1		CW24	558
3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	OC1	II	5.1+8	274	1 L	P504	MP2		2		CW24	58
3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	OC1	III	5.1+8	274	5 L	P504	MP2		3		CW24	58
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	OT1	I	5.1+6.1	274	0	P502	MP2		1		CW24	556
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	OT1	II	5.1+6.1	274	1 L	P504	MP2		2		CW24	56
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	OT1	III	5.1+6.1	274	5 L	P504	MP2		3		CW24	56
3100	OXIDIZING SOLID, SELF-HEATING, N.O.S.	5.1	OS											
3101	ORGANIC PEROXIDE TYPE B, LIQUID	5.2	P1		5.2+1	122 181 274	25 ml	P520	MP4		1	W5 W7 W8	CW22 CW24 CW29	539
3102	ORGANIC PEROXIDE TYPE B, SOLID	5.2	P1		5.2+1	122 181 274	100 g	P520	MP4		1	W5 W7 W8	CW22 CW24 CW29	539
3103	ORGANIC PEROXIDE TYPE C, LIQUID	5.2	P1		5.2	122 274	25 ml	P520	MP4		1	W7	CW22 CW24 CW29	539
3104	ORGANIC PEROXIDE TYPE C, SOLID	5.2	P1		5.2	122 274	100 g	P520	MP4		1	W7	CW22 CW24 CW29	539

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3105	ORGANIC PEROXIDE TYPE D, LIQUID	5.2	P1		5.2	122 274	125 ml	P520		MP4					2	W7		CW22 CW24 CW29	CE6	539
3106	ORGANIC PEROXIDE TYPE D, SOLID	5.2	P1		5.2	122 274	500 g	P520		MP4					2	W7		CW22 CW24 CW29	CE10	539
3107	ORGANIC PEROXIDE TYPE E, LIQUID	5.2	P1		5.2	122 274	125 ml	P520		MP4					2	W7		CW22 CW24 CW29	CE6	539
3108	ORGANIC PEROXIDE TYPE E, SOLID	5.2	P1		5.2	122 274	500 g	P520		MP4					2	W7		CW22 CW24 CW29	CE10	539
3109	ORGANIC PEROXIDE TYPE F, LIQUID	5.2	P1		5.2	122 274	125 ml	P520 IBC520		MP4	T23		L4BN(+)	TU3 TU13 TU30 TE12 TA2 TM4	2	W7		CW22 CW24 CW29	CE6	539
3110	ORGANIC PEROXIDE TYPE F, SOLID	5.2	P1		5.2	122 274	500 g	P520 IBC520		MP4	T23	TP33	S4AN(+)	TU3 TU13 TU30 TE12 TA2 TM4	2	W7		CW22 CW24 CW29	CE10	539
3111	ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED	5.2	P2												CARRIAGE PROHIBITED					
3112	ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED	5.2	P2												CARRIAGE PROHIBITED					
3113	ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED	5.2	P2												CARRIAGE PROHIBITED					
3114	ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED	5.2	P2												CARRIAGE PROHIBITED					
3115	ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED	5.2	P2												CARRIAGE PROHIBITED					
3116	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	5.2	P2												CARRIAGE PROHIBITED					

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colts express (express parcels)	Hazard identification No.							
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3117	ORGANIC PEROXIDE TYPE E, LIQUID, TEMPERATURE CONTROLLED	5.2	P2																		
3118	ORGANIC PEROXIDE TYPE E, SOLID, TEMPERATURE CONTROLLED	5.2	P2																		
3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED	5.2	P2																		
3120	ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED	5.2	P2																		
3121	OXIDIZING SOLID, WATER-REACTIVE, N.O.S.	5.1	OW																		
3122	TOXIC LIQUID, OXIDIZING, N.O.S.	6.1	TO1	I	6.1+5.1	274 315	0	E5	P001	MP8 MP17			L10CH	TU14 TU15 TU38 TE21 TE22	1				CW13 CW28 CW31		665
3122	TOXIC LIQUID, OXIDIZING, N.O.S.	6.1	TO1	II	6.1+5.1	274	100 ml	E4	P001 IBC02	MP15			L4BH	TU15	2					CW13 CW28 CW31	65
3123	TOXIC LIQUID, WATER-REACTIVE, N.O.S.	6.1	TW1	I	6.1+4.3	274 315	0	E5	P099	MP8 MP17			L10CH	TU14 TU15 TU38 TE21 TE22	1					CW13 CW28 CW31	623
3123	TOXIC LIQUID, WATER-REACTIVE, N.O.S.	6.1	TW1	II	6.1+4.3	274	100 ml	E4	P001 IBC02	MP15			L4BH	TU15	2					CW13 CW28 CW31	623
3124	TOXIC SOLID, SELF-HEATING, N.O.S.	6.1	TS	I	6.1+4.2	274	0	E5	P002	MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1					CW13 CW28 CW31	664
3124	TOXIC SOLID, SELF-HEATING, N.O.S.	6.1	TS	II	6.1+4.2	274	0	E4	P002 IBC06	MP10	T3	TP33	SGAH L4BH	TU15	2	W11				CW13 CW28 CW31	64

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging				Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage				Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions	Packages		Bulk	Loading, unloading and handling				
	3.1.2	2.2	(3a)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)		
3125	TOXIC SOLID, WATER-REACTIVE, N.O.S.	6.1	TW2	I	6.1+4.3	274	0	E5	P099	MP18	T6	TP33	S10AH L10CH	TU14 TU38 TE21 TE22	1			CW13 CW28 CW31		642		
3125	TOXIC SOLID, WATER-REACTIVE, N.O.S.	6.1	TW2	II	6.1+4.3	274	500 g	E4	P002 IBC06	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	642		
3126	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	4.2	SC2	II	4.2+8	274	0	E2	P410 IBC05	MP14	T3	TP33	SGAN		2	W1			CE10	48		
3126	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	4.2	SC2	III	4.2+8	274	0	E1	P002 IBC08 R001	MP14	T1	TP33	SGAN		3	W1			CE11	48		
3127	SELF-HEATING SOLID, OXIDIZING, N.O.S	4.2	SO																			
3128	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	4.2	ST2	II	4.2+6.1	274	0	E2	P410 IBC05	MP14	T3	TP33	SGAN		2	W1		CW28	CE10	46		
3128	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	4.2	ST2	II	4.2+6.1	274	0	E1	P002 IBC08 R001	MP14	T1	TP33	SGAN		3	W1		CW28	CE11	46		
3129	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3	WC1	I	4.3+8	274	0	E0	P402	RR7 RR8	T14	TP2 TP7	L10DH	TU14 TU38 TE21 TE22 TM2	0	W1		CW23		X382		
3129	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3	WC1	II	4.3+8	274	500 ml	E2	P402 IBC01	MP15	T11	TP2 TP7	L4DH	TU14 TE21 TM2	0	W1		CW23	CE7	382		
3129	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3	WC1	III	4.3+8	274	1 L	E1	P001 IBC02 R001	MP15	T7	TP2 TP7	L4DH	TU14 TE21 TM2	0	W1		CW23	CE8	382		
3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.	4.3	WT1	I	4.3+6.1	274	0	E0	P402	RR4 RR8	MP2		L10DH	TU14 TU38 TE21 TE22 TM2	0	W1		CW23 CW28		X362		

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.	4.3	WT1	II	4.3+6.1	274	500 ml	P402 IBC01	RR4 RR8 BB1	MP15			L4DH	TU14 TE21 TM2	0	W1		CW23 CW28	CE7	362
3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.	4.3	WT1	III	4.3+6.1	274	1 L	P001 IBC02 R001		MP15			L4DH	TU14 TE21 TM2	0	W1		CW23 CW28	CE8	362
3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3	WC2	I	4.3+8	274	0	P403		MP2	T9	TP7 TP33	S10AN L10DH	TU4 TU14 TU22 TU38 TE21 TE22 TM2	0	W1		CW23		X482
3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3	WC2	II	4.3+8	274	500 g	P410 IBC06		MP14	T3	TP33	SGAN		0	W1		CW23	CE10	482
3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3	WC2	III	4.3+8	274	1 kg	P410 IBC08 R001	B4	MP14	T1	TP33	SGAN		0	W1		CW23	CE11	482
3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	WF2	I	4.3+4.1	274	0	P403 IBC99		MP2					0	W1		CW23		X423
3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	WF2	II	4.3+4.1	274	500 g	P410 IBC04		MP14	T3	TP33	SGAN L4DH	TU14 TE21 TM2	0	W1		CW23		423
3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	WF2	III	4.3+4.1	274	1 kg	P410 IBC06		MP14	T1	TP33	SGAN L4DH	TU14 TE21 TM2	0	W1		CW23		423
3133	WATER-REACTIVE SOLID, OXIDIZING, N.O.S.	4.3	WO																	
CARRIAGE PROHIBITED																				
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	WT2	I	4.3+6.1	274	0	P403		MP2					0	W1		CW23 CW28		X462
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	WT2	II	4.3+6.1	274	500 g	P410 IBC05		MP14	T3	TP33	SGAN		0	W1		CW23 CW28	CE10	462
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	WT2	III	4.3+6.1	274	1 kg	P410 IBC08 R001	B4	MP14	T1	TP33	SGAN		0	W1		CW23 CW28	CE11	462
3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	WS	I	4.3+4.2	274	0	P403		MP2					1	W1		CW23		X423

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage				Coils express (express parcels)	Hazard identification No.				
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provisions	Tank code Special provisions		Packages	Bulk	Loading, unloading and handling							
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	WS	II	4.3+4.2	274	0	P410 IBC05	MP14	TP33	T3	TP33	SGAN L4DH	TU14 TE21 TM2	2	W1	W1		CW23		423
3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	WS	III	4.3+4.2	274	0	P410 IBC08	MP14	TP33	T1	TP33	SGAN L4DH	TU14 TE21 TM2	3	W1			CW23		423
3136	TRIFLUOROMETHANE, REFRIGERATED LIQUID	2	3A		2.2 (+13)	593	120 ml	P203	MP9	TP5	T75	TP5	RxBN	TU19 TA4 TT9 TM6	3	W5			CW9 CW11 CW30 CW36	CE2	22
3137	OXIDIZING SOLID, FLAMMABLE, N.O.S.	5.1	OF																		
3138	ETHYLENE, ACETYLENE AND PROPYLENE MIXTURE, REFRIGERATED LIQUID containing at least 71.5% ethylene with not more than 22.5% acetylene and not more than 6% propylene	2	3F		2.1 (+13)		0	P203	MP9	TP5	T75	TP5	RxBN	TU18 TU38 TE22 TA4 TT9 TM6	2	W5			CW9 CW11 CW30 CW36	CE2	223
3139	OXIDIZING LIQUID, N.O.S.	5.1	O1	I	5.1	274	0	P502	MP2						1				CW24		55
3139	OXIDIZING LIQUID, N.O.S.	5.1	O1	II	5.1	274	1 L	P504 IBC02	MP2						2				CW24	CE6	50
3139	OXIDIZING LIQUID, N.O.S.	5.1	O1	III	5.1	274	5 L	P504 IBC02 R001	MP2						3				CW24	CE8	50
3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOID SALTS, LIQUID, N.O.S.	6.1	T1	I	6.1	43 274	0	P001	MP8 MP17				L10CH	TU14 TU15 TU38 TE21 TE22	1				CW13 CW28 CW31		66
3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOID SALTS, LIQUID, N.O.S.	6.1	T1	II	6.1	43 274	100 ml	P001 IBC02	MP15				L4BH	TU15	2				CW13 CW28 CW31	CE5	60
3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOID SALTS, LIQUID, N.O.S.	6.1	T1	III	6.1	43 274	5 L	P001 IBC03 LP01 R001	MP19				L4BH	TU15	2	W12			CW13 CW28 CW31	CE8	60

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
							Special provisions	Special provisions	Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	7.5.11	7.6	5.3.2.3				
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(17)	(18)	(20)				
3141	ANTIMONY COMPOUND, INORGANIC, LIQUID, N.O.S.	6.1	T4	III	6.1	45 274 512	5 L E1	P001 IBC03 LP01 R001		MP19			L4BH	TU15	W12	CW13 CW28 CW31	60				
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1	T1	I	6.1	274	0	P001		MP8 MP17			L10CH	TU14 TU15 TU38 TE21 TE22		CW13 CW28 CW31	66				
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1	T1	II	6.1	274	100 ml	P001 IBC02		MP15			L4BH	TU15	2	CW13 CW28 CW31	60				
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1	T1	III	6.1	274	5 L	P001 IBC03 LP01 R001		MP19			L4BH	TU15	2	CW13 CW28 CW31	60				
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1	T2	I	6.1	274	0	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU15 TU38 TE22	1	CW13 CW28 CW31	66				
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1	T2	II	6.1	274	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	CW13 CW28 CW31	60				
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1	T2	III	6.1	274	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2	CW13 CW28 CW31	60				
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1	T1	I	6.1	43 274	0	P001		MP8 MP17			L10CH	TU14 TU15 TU38 TE21 TE22	1	CW13 CW28 CW31	66				
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1	T1	II	6.1	43 274	100 ml	P001 IBC02		MP15			L4BH	TU15	2	CW13 CW28 CW31	60				

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and escaped quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No
								Packing instructions	Special packing provisions	Mixed packing provisions	Special instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.3	5.2.2	3.3	3.4.3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1	T1	III	6.1	43 274	5 L E1	P001 IBC03 LP01 R001		MP19			L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C ₂ -C ₁₂ homologues)	8	C3	I	8		0 E0	P001		MP8 MP17	T14	TP2	L10BH	TU38 TE22	1					88
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C ₂ -C ₁₂ homologues)	8	C3	II	8		1 L E2	P001 IBC02		MP15	T11	TP2 TP27	L4BN		2				CE6	80
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C ₂ -C ₁₂ homologues)	8	C3	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28	L4BN		3	W12			CE8	80
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1	T3	I	6.1	43 274	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1	T3	II	6.1	43 274	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1	T3	III	6.1	43 274	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3147	DYE, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	8	C10	I	8	274	0 E0	P002 IBC07		MP18	T6	TP33	S10AN L10BH	TU38 TE22	1	W10				88
3147	DYE, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	8	C10	II	8	274	1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN L4BN		2	W11			CE10	80
3147	DYE, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	8	C10	III	8	274	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV L4BN		3		VW9		CE11	80

3.2-A-213

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.	
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)	
3148	WATER-REACTIVE LIQUID, N.O.S.	4.3	W1	I	4.3	274	0 E0	P402	RR8	MP2	T13	TP2 TP7 TP38	L10DH	TU14 TU38 TE21 TE22 TM2	0	W1			CW23		X323
3148	WATER-REACTIVE LIQUID, N.O.S.	4.3	W1	II	4.3	274	500 ml	P402 IBC01	RR8	MP15	T7	TP2 TP7	L4DH	TU14 TE21 TM2	0	W1			CW23	CE7	323
3148	WATER-REACTIVE LIQUID, N.O.S.	4.3	W1	III	4.3	274	1 L	P001 IBC02 R001		MP15	T7	TP2 TP7	L4DH	TU14 TE21 TM2	0	W1			CW23	CE8	323
3149	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5% peroxyacetic acid, STABILIZED	5.1	OC1	II	5.1+8	196 553	1 L	P504 IBC02	PP10 B5	MP15	T7	TP2 TP6 TP24	L4BV(+)	TU3 TC2 TE8 TE11 TT1	2				CW24	CE6	58
3150	DEVICES, SMALL, HYDROCARBON GAS POWERED or HYDROCARBON GAS REFILLS FOR SMALL DEVICES with release device	2	6F		2.1		0	P208		MP9					2				CW9	CE2	23
3151	POLYHALOGENATED BIPHENYLS, LIQUID or POLYHALOGENATED TERPHENYLS, LIQUID	9	M2	II	9	203 305	1 L	P906 IBC02		MP15			L4BH	TU15	0		VW15		CW13 CW28 CW31	CE5	90
3152	POLYHALOGENATED BIPHENYLS, SOLID or POLYHALOGENATED TERPHENYLS, SOLID	9	M2	II	9	203 305	1 kg	P906 IBC08	B4	MP10	T3	TP33	S4AH L4BH	TU15	0	W11	VW15		CW13 CW28 CW31	CE9	90
3153	PERFLUORO(METHYL VINYL ETHER)	2	2F		2.1 (+13)		0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2				CW9 CW10 CW36	CE3	23
3154	PERFLUORO(ETHYL VINYL ETHER)	2	2F		2.1 (+13)		0	P200		MP9	(M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2				CW9 CW10 CW36	CE3	23

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3155	PENTACHLOROPHENOL	6.1	T2	II	6.1	43	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3156	COMPRESSED GAS, OXIDIZING, N.O.S.	2	10		2.2+5.1 (+13)	274 655	0 E0	P200		MP9	(M)		CxBN(M)	TA4 TT9	3			CW9 CW10 CW36	CE3	25
3157	LIQUEFIED GAS, OXIDIZING, N.O.S.	2	20		2.2+5.1 (+13)	274	0 E0	P200		MP9	(M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	25
3158	GAS, REFRIGERATED LIQUID, N.O.S.	2	3A		2.2 (+13)	274 593	120 ml E1	P203		MP9	T75	TP5	RxBN	TU19 TA4 TT9 TM6	3	W5		CW9 CW11 CW30 CW36	CE2	22
3159	1,1,1,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 134a)	2	2A		2.2 (+13)		120 ml E1	P200		MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
3160	LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.	2	2TF		2.3+2.1 (+13)	274	0 E0	P200		MP9	(M)		PxBH(M)	TU6 TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		263
3161	LIQUEFIED GAS, FLAMMABLE, N.O.S.	2	2F		2.1 (+13)	274	0 E0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
3162	LIQUEFIED GAS, TOXIC, N.O.S.	2	2T		2.3 (+13)	274	0 E0	P200		MP9	(M)		PxBH(M)	TU6 TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		26

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UN No.	Name and description	Classi- fication code	Packing group	Labels	Special provi- sions	Limited and exempted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identi- fication No.
							Packing instructions	Special packing provisions	Mixed packing provi- sions	Instruc- tions	Special provi- sions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3163	LIQUEFIED GAS, N.O.S.	2	2A	2.2 (+13)	274	120 ml	P200		MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
3164	ARTICLES, PRESSURIZED, PNEUMATIC or HYDRAULIC (containing non-flammable gas)	2	6A	2.2	283 594	120 ml	P003		MP9					3			CW9	CE2	20
3165	AIRCRAFT HYDRAULIC POWER UNIT FUEL TANK (containing a mixture of anhydrous hydrazine and methylhydrazine) (M86 fuel)	3	FTC	3+6.1+8		0	P301		MP7					1			CW13 CW28		336
3166	Engine, internal combustion, flammable gas powered or engine, internal combustion, flammable liquid powered or vehicle, flammable gas powered or vehicle, flammable liquid powered or engine, fuel cell, flammable gas powered or engine, fuel cell, flammable liquid powered or vehicle, fuel cell, flammable gas powered or vehicle, fuel cell, flammable liquid powered	9	M11												NOT SUBJECT TO RID				
3167	GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, N.O.S., not refrigerated liquid	2	7F	2.1		0	E0	P201	MP9					2			CW9	CE2	23
3168	GAS SAMPLE, NON-PRESSURIZED, TOXIC, FLAMMABLE, N.O.S., not refrigerated liquid	2	7TF	2.3+2.1		0	E0	P201	MP9					1			CW9		263
3169	GAS SAMPLE, NON-PRESSURIZED, TOXIC, N.O.S., not refrigerated liquid	2	7T	2.3		0	E0	P201	MP9					1			CW9		26
3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY- PRODUCTS	4.3	W2	4.3	244	500 g	P410 IBC07		MP14	T3 BK1 BK2	TP33	SGAN		2	W1	VW6	CW23	CE10	423
3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY- PRODUCTS	4.3	W2	4.3	244	1 kg	E1	P002 IBC08 R001	MP14	T1 BK1 BK2	TP33	SGAN		3	W1	VW1 VW5	CW23	CE11	423
3171	Battery-powered vehicle or Battery- powered equipment	9	M11												NOT SUBJECT TO RID, see also special provision 240 of Chapter 3.3				

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct.	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.16	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)		(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1	T1	I	6.1	210 274	0 E5	P001		MP8 MP17			L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1	T1	II	6.1	210 274	E4 100 ml	P001 IBC02		MP15			L4BH	TU15	2			CW13 CW28 CW31	CE5	60
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1	T1	III	6.1	210 274	E1 5 L	P001 IBC03 LP01 R001		MP19			L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
3174	TITANIUM DISULPHIDE	4.2	S4	III	4.2		0 E1	P002 IBC08 LP02 R001	B3	MP14	T1	TP33	SGAN		3	W1			CE11	40
3175	SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C	4.1	F1	II	4.1	216 274 601	E2 1 kg	P002 IBC06 R001	PP9	MP11	T3 BK1 BK2	TP33			2	W1	VW3		CE11	40
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1	F2	II	4.1	274	0 E0				T3	TP3 TP26	LGBV	TU27 TE4 TE6	2					44
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1	F2	III	4.1	274	0 E0				T1	TP3 TP26	LGBV	TU27 TE4 TE6	3					44
3178	FLAMMABLE SOLID, INORGANIC, N.O.S.	4.1	F3	II	4.1	274	1 kg E2	P002 IBC08	B4	MP11	T3	TP33	SGAN		2	W1			CE10	40
3178	FLAMMABLE SOLID, INORGANIC, N.O.S.	4.1	F3	III	4.1	274	5 kg E1	P002 IBC08 LP02 R001	B3	MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40
3179	FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.	4.1	FT2	II	4.1+6.1	274	1 kg E2	P002 IBC06		MP10	T3	TP33	SGAN		2	W1		CW28	CE10	46
3179	FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.	4.1	FT2	III	4.1+6.1	274	5 kg E1	P002 IBC06 R001		MP10	T1	TP33	SGAN		3	W1		CW28	CE11	46

3.2-A-217

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3180	FLAMMABLE SOLID, CORROSIVE, INORGANIC, N.O.S.	4.1	FC2	II	4.1+8	274	1 kg	P002 IBC06		MP10	T3	TP33	SGAN		2	W1			CE10	48
3180	FLAMMABLE SOLID, CORROSIVE, INORGANIC, N.O.S.	4.1	FC2	III	4.1+8	274	5 kg	P002 IBC06 R001		MP10	T1	TP33	SGAN		3	W1			CE11	48
3181	METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S.	4.1	F3	II	4.1	274	1 kg	P002 IBC08	B4	MP11	T3	TP33	SGAN		2	W1			CE10	40
3181	METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S.	4.1	F3	III	4.1	274	5 kg	P002 IBC08 LP02 R001	B3	MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40
3182	METAL HYDRIDES, FLAMMABLE, N.O.S.	4.1	F3	II	4.1	274 554	1 kg	P410 IBC04		MP11	T3	TP33	SGAN		2	W1			CE10	40
3182	METAL HYDRIDES, FLAMMABLE, N.O.S.	4.1	F3	III	4.1	274 554	5 kg	P002 IBC04 R001		MP11	T1	TP33	SGAV		3	W1	VW1		CE11	40
3183	SELF-HEATING LIQUID, ORGANIC, N.O.S.	4.2	S1	II	4.2	274	0	P001 IBC02		MP15			L4DH	TU14 TE21	2	W1			CE7	30
3183	SELF-HEATING LIQUID, ORGANIC, N.O.S.	4.2	S1	III	4.2	274	0	P001 IBC02 R001		MP15			L4DH	TU14 TE21	3	W1			CE8	30
3184	SELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.	4.2	ST1	II	4.2+6.1	274	0	P402 IBC02		MP15			L4DH	TU14 TE21	2	W1		CW28	CE7	36
3184	SELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.	4.2	ST1	III	4.2+6.1	274	0	P001 IBC02 R001		MP15			L4DH	TU14 TE21	3	W1		CW28	CE8	36
3185	SELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.	4.2	SC1	II	4.2+8	274	0	P402 IBC02		MP15			L4DH	TU14 TE21	2	W1			CE7	38
3185	SELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.	4.2	SC1	III	4.2+8	274	0	P001 IBC02 R001		MP15			L4DH	TU14 TE21	3	W1			CE8	38
3186	SELF-HEATING LIQUID, INORGANIC, N.O.S.	4.2	S3	II	4.2	274	0	P001 IBC02		MP15			L4DH	TU14 TE21	2	W1			CE7	30
3186	SELF-HEATING LIQUID, INORGANIC, N.O.S.	4.2	S3	III	4.2	274	0	P001 IBC02 R001		MP15			L4DH	TU14 TE21	3	W1			CE8	30

3.2-A-218

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3187	SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.	4.2	ST3	II	4.2+6.1	274	0	P402 IBC02		MP15			L4DH	TU14 TE21	2	W1		CW28	CE7	36
3187	SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.	4.2	ST3	III	4.2+6.1	274	0	P001 IBC02 R001		MP15			L4DH	TU14 TE21	3	W1		CW28	CE8	36
3188	SELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.	4.2	SC3	II	4.2+8	274	0	P402 IBC02		MP15			L4DH	TU14 TE21	2	W1			CE7	38
3188	SELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.	4.2	SC3	III	4.2+8	274	0	P001 IBC02 R001		MP15			L4DH	TU14 TE21	3	W1			CE8	38
3189	METAL POWDER, SELF-HEATING, N.O.S.	4.2	S4	II	4.2	274	0	P410 IBC06		MP14	T3	TP33	SGAN		2	W1			CE10	40
3189	METAL POWDER, SELF-HEATING, N.O.S.	4.2	S4	III	4.2	274	0	P002 IBC08 LP02 R001	B3	MP14	T1	TP33	SGAN		3	W1	VW4		CE11	40
3190	SELF-HEATING SOLID, INORGANIC, N.O.S.	4.2	S4	II	4.2	274	0	P410 IBC06		MP14	T3	TP33	SGAN		2	W1			CE10	40
3190	SELF-HEATING SOLID, INORGANIC, N.O.S.	4.2	S4	III	4.2	274	0	P002 IBC08 LP02 R001	B3	MP14	T1	TP33	SGAN		3	W1	VW4		CE11	40
3191	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	4.2	ST4	II	4.2+6.1	274	0	P410 IBC05		MP14	T3	TP33	SGAN		2	W1		CW28	CE10	46
3191	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	4.2	ST4	III	4.2+6.1	274	0	P002 IBC08 R001	B3	MP14	T1	TP33	SGAN		3	W1		CW28	CE11	46
3192	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.	4.2	SC4	II	4.2+8	274	0	P410 IBC05		MP14	T3	TP33	SGAN		2	W1			CE10	48
3192	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.	4.2	SC4	III	4.2+8	274	0	P002 IBC08 R001	B3	MP14	T1	TP33	SGAN		3	W1			CE11	48

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3194	PYROPHORIC LIQUID, INORGANIC, N.O.S.	4.2	S3	I	4.2	274	0	P400		MP2			L21DH	TU14 TU38 TC1 TE21 TE22 TE25 TM1	0	W1				333
3200	PYROPHORIC SOLID, INORGANIC, N.O.S.	4.2	S4	I	4.2	274	0	P404		MP13	T21	TP7 TP33			0	W1				43
3205	ALKALINE EARTH METAL ALCOHOLATES, N.O.S.	4.2	S4	II	4.2	183 274	0	P410 IBC06		MP14	T3	TP33	SGAN		2	W1			CE10	40
3205	ALKALINE EARTH METAL ALCOHOLATES, N.O.S.	4.2	S4	III	4.2	183 274	0	P002 IBC08 LP02 R001	B3	MP14	T1	TP33	SGAN		3	W1			CE11	40
3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.	4.2	SC4	II	4.2+8	182 274	0	P410 IBC05		MP14	T3	TP33	SGAN		2	W1			CE10	48
3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.	4.2	SC4	III	4.2+8	182 274	0	P002 IBC08 R001	B3	MP14	T1	TP33	SGAN		3	W1			CE11	48
3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3	W2	I	4.3	274 557	0	P403 IBC99		MP2					1	W1		CW23		X423
3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3	W2	II	4.3	274 557	500 g	P410 IBC07		MP14	T3	TP33	SGAN		2	W1		CW23	CE10	423
3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3	W2	III	4.3	274 557	1 kg	P410 IBC08 R001	B4	MP14	T1	TP33	SGAN		3	W1	VW5	CW23	CE11	423
3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3	WS	I	4.3+4.2	274 558	0	P403		MP2					1	W1		CW23		X423
3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3	WS	II	4.3+4.2	274 558	0	P410 IBC05		MP14	T3	TP33	SGAN		2	W1		CW23	CE10	423
3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3	WS	III	4.3+4.2	274 558	0	P410 IBC08 R001	B4	MP14	T1	TP33	SGAN		3	W1	VW5	CW23	CE11	423
3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	O1	II	5.1	274 351	1 L	P504 IBC02		MP2	T4	TP1	L4BN	TU3	2			CW24	CE6	50

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UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 4.2.5.3, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	O1	III	5.1	274 351	5 L E1	P504 IBC02 R001		MP2	T4	TP1	LGBV	TU3	3			CW24	CE8	50
3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	O1	II	5.1		1 L E2	P504 IBC02		MP2	T4	TP1	L4BN	TU3	2			CW24	CE6	50
3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	O1	III	5.1		5 L E1	P504 IBC02 R001		MP2	T4	TP1	LGBV	TU3	3			CW24	CE8	50
3212	HYPOCHLORITES, INORGANIC, N.O.S.	5.1	O2	II	5.1	274 349	1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50
3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	O1	II	5.1	274 350	1 L E2	P504 IBC02		MP2	T4	TP1	L4BN	TU3	2			CW24	CE6	50
3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	O1	III	5.1	274 350	5 L E1	P504 IBC02 R001		MP15	T4	TP1	LGBV	TU3	3			CW24	CE8	50
3214	PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	O1	II	5.1	274 353	1 L E2	P504 IBC02		MP2	T4	TP1	L4BN	TU3	2			CW24	CE6	50
3215	PERSULPHATES, INORGANIC, N.O.S.	5.1	O2	III	5.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV	TU3	3		VW8	CW24	CE11	50
3216	PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	O1	III	5.1		5 L E1	P504 IBC02 R001		MP15	T4	TP1 TP29	LGBV	TU3	3			CW24	CE8	50
3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	O1	II	5.1	270 511	1 L E2	P504 IBC02		MP15	T4	TP1	L4BN	TU3	2			CW24	CE6	50
3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	O1	III	5.1	270 511	5 L E1	P504 IBC02 R001		MP15	T4	TP1	LGBV	TU3	3			CW24	CE8	50
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	O1	II	5.1	103 274	1 L E2	P504 IBC01		MP15	T4	TP1	L4BN	TU3	2			CW24	CE6	50
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1	O1	III	5.1	103 274	5 L E1	P504 IBC02 R001		MP15	T4	TP1	LGBV	TU3	3			CW24	CE8	50
3220	PENTAFLUOROETHANE (REFRIGERANT GAS R 125)	2	2A		2.2 (+13)		120 ml E1	P200		MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.					
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions	Package s	Bulk	Loading, unloading and handling				
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3		
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3221	SELF-REACTIVE LIQUID TYPE B	4.1	SR1		4.1+1	181 194 274	E0	P520	PP21	MP2					W5 W7 W8			CW22		40	
3222	SELF-REACTIVE SOLID TYPE B	4.1	SR1		4.1+1	181 194 274	E0	P520	PP21	MP2					W5 W7 W8			CW22		40	
3223	SELF-REACTIVE LIQUID TYPE C	4.1	SR1		4.1	194 274	E0	P520	PP21	MP2					W7			CW22	CE6	40	
3224	SELF-REACTIVE SOLID TYPE C	4.1	SR1		4.1	194 274	E0	P520	PP21	MP2					W7			CW22	CE10	40	
3225	SELF-REACTIVE LIQUID TYPE D	4.1	SR1		4.1	194 274	E0	P520		MP2					W7			CW22	CE6	40	
3226	SELF-REACTIVE SOLID TYPE D	4.1	SR1		4.1	194 274	E0	P520		MP2					W7			CW22	CE10	40	
3227	SELF-REACTIVE LIQUID TYPE E	4.1	SR1		4.1	194 274	E0	P520		MP2					W7			CW22	CE6	40	
3228	SELF-REACTIVE SOLID TYPE E	4.1	SR1		4.1	194 274	E0	P520		MP2					W7			CW22	CE10	40	
3229	SELF-REACTIVE LIQUID TYPE F	4.1	SR1		4.1	194 274	E0	P520		MP2					W7			CW22	CE6	40	
3230	SELF-REACTIVE SOLID TYPE F	4.1	SR1		4.1	194 274	E0	P520	IBC99	MP2					W7			CW22	CE10	40	
3231	SELF-REACTIVE LIQUID TYPE B, TEMPERATURE CONTROLLED	4.1	SR2															CARRIAGE PROHIBITED			
3232	SELF-REACTIVE SOLID TYPE B, TEMPERATURE CONTROLLED	4.1	SR2															CARRIAGE PROHIBITED			
3233	SELF-REACTIVE LIQUID TYPE C, TEMPERATURE CONTROLLED	4.1	SR2															CARRIAGE PROHIBITED			
3234	SELF-REACTIVE SOLID TYPE C, TEMPERATURE CONTROLLED	4.1	SR2															CARRIAGE PROHIBITED			
3235	SELF-REACTIVE LIQUID TYPE D, TEMPERATURE CONTROLLED	4.1	SR2															CARRIAGE PROHIBITED			
3236	SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED	4.1	SR2															CARRIAGE PROHIBITED			
3237	SELF-REACTIVE LIQUID TYPE E, TEMPERATURE CONTROLLED	4.1	SR2															CARRIAGE PROHIBITED			

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colis express (express parcels)	Hazard identification No.						
								Packing instructionsSpecial packing provisionsMixed packing provisions	Instruct-ionsSpecial provisions	Tank codeSpecial provisions		PackagesBulkLoading, unloading and handling								
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3238	SELF-REACTIVE SOLID TYPE E, TEMPERATURE CONTROLLED	4.1	SR2																	
3239	SELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLLED	4.1	SR2																	
3240	SELF-REACTIVE SOLID TYPE F, TEMPERATURE CONTROLLED	4.1	SR2																	
3241	2-BROMO-2-NITROPROPANE-1,3-DIOL	4.1	SR1	III	4.1	638	5 kg	E1	P520 IBC08	MP2					3	W1			CE11	40
3242	AZODICARBONAMIDE	4.1	SR1	II	4.1	215 638	1 kg	E2	P409	MP2	T3	TP33			2	W1			CE10	40
3243	SOLIDS CONTAINING TOXIC LIQUID, N.O.S.	6.1	T9	II	6.1	217 274 601	500 g	E4	P002 IBC02	MP10	T3 BK1 BK2	TP33	SGAH	TU15	2		VW10	CW13 CW28 CW31	CE5	60
3244	SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S.	8	C10	II	8	218 274	1 kg	E2	P002 IBC05	MP10	T3 BK1 BK2	TP33	SGAV		2		VW10		CE10	80
3245	GENETICALLY MODIFIED MICROORGANISMS or GENETICALLY MODIFIED ORGANISMS	9	M8		9	219 637	0	E0	P904 IBC08	MP6					2			CW13 CW17 CW18 CW26 CW28 CW31		90
3245	GENETICALLY MODIFIED MICROORGANISMS or GENETICALLY MODIFIED ORGANISMS, in refrigerated liquid nitrogen	9	M8		9+2.2	219 637	0	E0	P904 IBC08	MP6					2			CW13 CW17 CW18 CW26 CW28 CW31		90
3246	METHANESULPHONYL CHLORIDE	6.1	TC1	I	6.1+8	354	0	E0	P602	MP8 MP17	T20 TP37		L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		668
3247	SODIUM PEROXOBORATE, ANHYDROUS	5.1	O2	II	5.1		1 kg	E2	P002 IBC08	MP2	T3	TP33	SGAN	TU3	2	W11		CW24	CE10	50

CARRIAGE PROHIBITED

CARRIAGE PROHIBITED

CARRIAGE PROHIBITED

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.	
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3248	MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	FT1	II	3+6.1	220 221 601	1 L E2	P001		MP19			L4BH	TU15	2			CW13 CW28	CE7	336
3248	MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	FT1	III	3+6.1	220 221 601	5 L E1	P001 R001		MP19			L4BH	TU15	3			CW13 CW28	CE4	36
3249	MEDICINE, SOLID, TOXIC, N.O.S.	6.1	T2	II	6.1	221 601	500 g E4	P002		MP10	T3	TP33	SGAH L4BH	TU15	2			CW13 CW28 CW31	CE9	60
3249	MEDICINE, SOLID, TOXIC, N.O.S.	6.1	T2	III	6.1	221 601	5 kg E1	P002 LP02 R001		MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3250	CHLOROACETIC ACID, MOLTEN	6.1	TC1	II	6.1+8		0 E0				T7	TP3 TP28	L4BH	TU15 TC4	0			CW13 CW31		68
3251	ISOSORBIDE-5-MONONITRATE	4.1	SR1	III	4.1	226 638	5 kg E1	P409		MP2					3	W1			CE11	40
3252	DIFLUOROMETHANE (REFRIGERANT GAS R 32)	2	2F		2.1 (+13)		0 E0	P200		MP9	T50 (M)		PxBN(M)	TU38 TE22 TA4 TT9 TM6	2			CW9 CW10 CW36	CE3	23
3253	DISODIUM TRIOXOSILICATE	8	C6	III	8		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3		VW9		CE11	80
3254	TRIBUTYLPHOSPHANE	4.2	S1	I	4.2		0 E0	P400		MP2	T21	TP2 TP7			0	W1				333
CARRIAGE PROHIBITED																				
3255	tert-BUTYL HYPOCHLORITE	4.2	SC1																	
3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60 °C, at or above its flashpoint and below 100 °C	3	F2	III	3	274 560	0 E0	P099 IBC99		MP2	T3	TP3 TP29	LGAV	TU35	3				CE4	30
3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flashpoint above 60 °C, at or above its flashpoint and at or above 100 °C	3	F2	III	3	274 560 580	0 E0	P099 IBC99		MP2	T3	TP3 TP29	LGAV	TU35	3				CE4	30

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Cds express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)		(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3257	ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100 °C and below its flash-point (including molten metals, molten salts, etc.)	9	M9	III	9	274 580 643	0 E0	P099 IBC99			T3	TP3 TP29	LGAV	TU35 TE6 TE14	3		VW12	CW17 CW31		99
3258	ELEVATED TEMPERATURE SOLID, N.O.S., at or above 240 °C	9	M10	III	9	274 580 643	0 E0	P099 IBC99							3		VW13	CW31		99
3259	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	8	C8	I	8	274	0 E0	P002 IBC07		MP18	T6	TP33	S10AN L10BH	TU38 TE22	1	W10				88
3259	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	8	C8	II	8	274	1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN L4BN		2	W11			CE10	80
3259	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	8	C8	III	8	274	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV L4BN		3		VW9		CE11	80
3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	8	C2	I	8	274	0 E0	P002 IBC07		MP18	T6	TP33	S10AN		1	W10				88
3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	8	C2	II	8	274	1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN		2	W11			CE10	80
3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	8	C2	III	8	274	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV		3		VW9		CE11	80
3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	8	C4	I	8	274	0 E0	P002 IBC07		MP18	T6	TP33	S10AN L10BH	TU38 TE22	1	W10				88
3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	8	C4	II	8	274	1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN		2	W11			CE10	80
3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	8	C4	III	8	274	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV L4BN		3		VW9		CE11	80
3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	8	C6	I	8	274	0 E0	P002 IBC07		MP18	T6	TP33	S10AN L10BH	TU38 TE22	1	W10				88
3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	8	C6	II	8	274	1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN L4BN		2	W11			CE10	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage			Coils (express parcels)	Hazard identification No.						
								Packing instructions Special packing provisions Mixed packing provisions	Instructions Special provisions	Tank code Special provisions		Packages	Bulk	Loading, unloading and handling								
	3.1.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3					
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	8	C6	III	8	274	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV L4BN	3		VW9					CE11	80
3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	8	C8	I	8	274	0 E0	P002 IBC07		MP18	T6	TP33	S10AN L10BH	1	W10							88
3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	8	C8	II	8	274	1 kg E2	P002 IBC08	B4	MP10	T3	TP33	SGAN L4BN	2	W11						CE10	80
3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	8	C8	III	8	274	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV L4BN	3		VW9					CE11	80
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	C1	I	8	274	0 E0	P001		MP8 MP17	T14 TP27	TP2	L10BH TE22	1								88
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	C1	II	8	274	1 L E2	P001 IBC02		MP15 TP27	T11 TP27	TP2	L4BN	2							CE6	80
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	C1	III	8	274	5 L E1	P001 IBC03 LP01 R001		MP19 TP28	T7 TP28	TP1 TP28	L4BN	3	W12						CE8	80
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	C3	I	8	274	0 E0	P001		MP8 MP17	T14 TP27	TP2	L10BH TE22	1								88
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	C3	II	8	274	1 L E2	P001 IBC02		MP15 TP27	T11 TP27	TP2	L4BN	2							CE6	80
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	C3	III	8	274	5 L E1	P001 IBC03 LP01 R001		MP19 TP28	T7 TP28	TP1 TP28	L4BN	3	W12						CE8	80
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	C5	I	8	274	0 E0	P001		MP8 MP17	T14 TP27	TP2	L10BH TE22	1								88
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	C5	II	8	274	1 L E2	P001 IBC02		MP15 TP27	T11 TP27	TP2	L4BN	2							CE6	80
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	C5	III	8	274	5 L E1	P001 IBC03 LP01 R001		MP19 TP28	T7 TP28	TP1 TP28	L4BN	3	W12						CE8	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.	
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3		
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	C7	I	8	274	0	E0	P001		MP8 MP17	T14 TP27	TP2 TP27	L10BH TU38 TE22	1						88
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	C7	II	8	274	1 L	E2	P001 IBC02		MP15	T11 TP27	TP2 TP27	L4BN	2					CE6	80
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	C7	III	8	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T7 TP28	TP1 TP28	L4BN	3	W12				CE8	80
3268	AIR BAG INFLATORS or AIR BAG MODULES or SEAT-BELT PRETENSIONERS	9	M5	III	9	280 289	0	E0	P902 LP902						4					CE2	90
3269	POLYESTER RESIN KIT	3	F3	II	3	236 340	5 L	E0	P302 R001						2					CE7	33
3269	POLYESTER RESIN KIT (viscous according to 2.2.3.1.4)	3	F3	III	3	236 340	5 L	E0	P302 R001						3					CE4	33
3269	POLYESTER RESIN KIT	3	F3	III	3	236 340	5 L	E0	P302 R001						3					CE4	30
3270	NITROCELLULOSE MEMBRANE FILTERS, with not more than 12.6% nitrogen, by dry mass	4.1	F1	II	4.1	237 286	1 kg	E2	P411	MP11					2	W1			CE10	40	
3271	ETHERS, N.O.S.	3	F1	II	3	274	1 L	E2	P001 IBC02 R001		MP19	T7 TP28	TP1 TP8 TP28	LGBF	2					CE7	33
3271	ETHERS, N.O.S.	3	F1	III	3	274	5 L	E1	P001 IBC03 LP01 R001		MP19	T4 TP29	TP1 TP29	LGBF	3	W12				CE4	30
3272	ESTERS, N.O.S.	3	F1	II	3	274 601	1 L	E2	P001 IBC02 R001		MP19	T7 TP28	TP1 TP8 TP28	LGBF	2					CE7	33
3272	ESTERS, N.O.S.	3	F1	III	3	274 601	5 L	E1	P001 IBC03 LP01 R001		MP19	T4 TP29	TP1 TP29	LGBF	3	W12				CE4	30

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.2	2.1.13	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.	3	FT1	I	3+6.1	274	0 E0	P001		MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28	336
3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.	3	FT1	II	3+6.1	274	1 L E2	P001 IBC02		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	336
3274	ALCOHOLATES SOLUTION, N.O.S., in alcohol	3	FC	II	3+8	274	1 L E2	P001 IBC02		MP19			L4BH		2			CE7	338
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	TF1	I	6.1+3	274 315	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	663
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	TF1	II	6.1+3	274	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	63
3276	NITRILES, LIQUID, TOXIC, N.O.S.	6.1	T1	I	6.1	274 315	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	66
3276	NITRILES, LIQUID, TOXIC, N.O.S.	6.1	T1	II	6.1	274	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	60
3276	NITRILES, LIQUID, TOXIC, N.O.S.	6.1	T1	III	6.1	274	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	60
3277	CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S.	6.1	TC1	II	6.1+8	274 561	100 ml E4	P001 IBC02		MP15	T8	TP2 TP28	L4BH	TU15	2			CW13 CW28 CW31	68
3278	ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	T1	I	6.1	43 274 315	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	66

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.	
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)	
3278	ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	T1	II	6.1	43 274	100 E4 ml	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2				CW13 CW28 CW31	CE5	60
3278	ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	T1	III	6.1	43 274	5 L	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28	L4BH	TU15	2	W12			CW13 CW28 CW31	CE8	60
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	TF1	I	6.1+3	43 274 315	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1					663	
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	TF1	II	6.1+3	43 274	100 ml	P001		MP15	T11	TP2 TP27	L4BH	TU15	2				CW13 CW28 CW31	CE5	63
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1	T3	I	6.1	274 315	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1					66	
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1	T3	II	6.1	274	100 ml	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2				CW13 CW28 CW31	CE5	60
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1	T3	III	6.1	274	5 L	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28	L4BH	TU15	2	W12			CW13 CW28 CW31	CE11	60
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1	T3	I	6.1	274 315 562	0 E5	P601		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1					66	
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1	T3	II	6.1	274 562	100 ml	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2				CW13 CW28 CW31	CE5	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1	T3	III	6.1	274 562	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
3282	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	T3	I	6.1	274 562	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
3282	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	T3	II	6.1	274 562	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
3282	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	6.1	T3	III	6.1	274 562	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	T5	I	6.1	274 563	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	T5	II	6.1	274 563	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1	T5	III	6.1	274 563	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VM9	CW13 CW28 CW31	CE11	60
3284	TELLURIUM COMPOUND, N.O.S.	6.1	T5	I	6.1	274	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
3284	TELLURIUM COMPOUND, N.O.S.	6.1	T5	II	6.1	274	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3284	TELLURIUM COMPOUND, N.O.S.	6.1	T5	III	6.1	274	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3285	VANADIUM COMPOUND, N.O.S.	6.1	T5	I	6.1	274 564	0	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
3285	VANADIUM COMPOUND, N.O.S.	6.1	T5	II	6.1	274 564	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3285	VANADIUM COMPOUND, N.O.S.	6.1	T5	III	6.1	274 564	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	FTC	I	3+6.1+8	274	0	P001		MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		368
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	FTC	II	3+6.1+8	274	1 L	P001 IBC02		MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	CE7	368
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	T4	I	6.1	274 315	0	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	T4	II	6.1	274	100 ml	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1	T4	III	6.1	274	5 L	P001 IBC03 LP01 R001		MP19	T7	TP1 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60

UN No.	Name and description	Class	Classifi- cation code	Packing group	Labels	Special provi- sions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identi- fication No.
								Packing instructions	Special packing provisions	Mixed packing provi- sions	Instruc- tions	Special provi- sions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1e)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1	T5	I	6.1	274	0	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1	T5	II	6.1	274	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1	T5	III	6.1	274	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3289	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1	TC3	I	6.1+8	274 315	0	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		668
3289	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1	TC3	II	6.1+8	274	100 ml	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	68
3290	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	6.1	TC4	I	6.1+8	274	0	P002 IBC05		MP18	T6	TP33	S10AH L10CH	TU15 TU38 TE22	1	W10		CW13 CW28 CW31		668
3290	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	6.1	TC4	II	6.1+8	274	500 g	P002 IBC06		MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE5	68
3291	CLINICAL WASTE; UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, N.O.S. or REGULATED MEDICAL WASTE, N.O.S.	6.2	I3	II	6.2	565	0	P621 IBC620 LP621		MP6	BK2				2	W9	VW11	CW13 CW18 CW28	CE14	606
3291	CLINICAL WASTE; UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, N.O.S. or REGULATED MEDICAL WASTE; N.O.S., in refrigerated liquid nitrogen	6.2	I3	II	6.2+2.2	565	0	P621 IBC620 LP621		MP6					2	W9		CW13 CW18 CW28	CE14	606
3292	BATTERIES, CONTAINING SODIUM or CELLS, CONTAINING SODIUM	4.3	W3	II	4.3	239 295	0	P408							2	W1		CW23	CE2	423

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3293	HYDRAZINE, AQUEOUS SOLUTION with not more than 37% hydrazine, by mass	6.1	T4	III	6.1	566	5 L	E1	P001 IBC03 LP01 R001	MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
3294	HYDROGEN CYANIDE, SOLUTION IN ALCOHOL with not more than 45% hydrogen cyanide	6.1	TF1	I	6.1+3	610	0	E5	P601	MP8 MP17	T14	TP2	L15DH(+)	TU14 TU15 TU38 TE21 TE22 TE25	0			CW13 CW28 CW31		663
3295	HYDROCARBONS, LIQUID, N.O.S.	3	F1	I	3		500 ml	E3	P001	MP7 MP17	T11	TP1 TP8 TP28	L4BN		1					33
3295	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	640C	1 L	E2	P001	MP19	T7	TP1 TP8 TP28	L1.5BN		2				CE7	33
3295	HYDROCARBONS, LIQUID, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	640D	1 L	E2	P001 IBC02 R001	MP19	T7	TP1 TP8 TP28	LGBF		2				CE7	33
3295	HYDROCARBONS, LIQUID, N.O.S.	3	F1	III	3		5 L	E1	P001 IBC03 LP01 R001	MP19	T4	TP1 TP29	LGBF		3	W12			CE4	30
3296	HEPTAFLUOROPROPANE (REFRIGERANT GAS R 227)	2	2A		2.2 (+13)		120 ml	E1	P200	MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
3297	ETHYLENE OXIDE AND CHLOROTETRAFLUOROETHANE MIXTURE with not more than 8.8% ethylene oxide	2	2A		2.2 (+13)		120 ml	E1	P200	MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
3298	ETHYLENE OXIDE AND PENTAFLUOROETHANE MIXTURE with not more than 7.9% ethylene oxide	2	2A		2.2 (+13)		120 ml	E1	P200	MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20
3299	ETHYLENE OXIDE AND TETRAFLUOROETHANE MIXTURE with not more than 5.6% ethylene oxide	2	2A		2.2 (+13)		120 ml	E1	P200	MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	CE3	20

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct- llors	Special provi- sions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1b)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3300	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87% ethylene oxide	2	2TF		2.3+2.1 (+13)		0 E0	P200		MP9	(M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		263
3301	CORROSIVE LIQUID, SELF-HEATING, N.O.S.	8	CS1	I	8+4.2	274	0 E0	P001		MP8 MP17			L10BH TE22		1					884
3301	CORROSIVE LIQUID, SELF-HEATING, N.O.S.	8	CS1	II	8+4.2	274	0 E2	P001		MP15			L4BN		2				CE6	84
3302	2-DIMETHYLAMINOETHYL ACRYLATE	6.1	T1	II	6.1		100 ml	P001 IBC02		MP15	T7	TP2	L4BH TU15		2			CW13 CW28 CW31	CE5	60
3303	COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.	2	1TO		2.3+5.1 (+13)	274	0 E0	P200		MP9	(M)		CxBH(M)	TU6 TU38 TE22 TE25 TA4 TT9	1			CW9 CW10 CW36		265
3304	COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.	2	1TC		2.3+8 (+13)	274	0 E0	P200		MP9	(M)		CxBH(M)	TU6 TU38 TE22 TE25 TA4 TT9	1			CW9 CW10 CW36		268
3305	COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2	1TFC		2.3+2.1+8 (+13)	274	0 E0	P200		MP9	(M)		CxBH(M)	TU6 TU38 TE22 TE25 TA4 TT9	1			CW9 CW10 CW36		263
3306	COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2	1TOC		2.3+5.1+8 (+13)	274	0 E0	P200		MP9	(M)		CxBH(M)	TU6 TU38 TE22 TE25 TA4 TT9	1			CW9 CW10 CW36		265

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
									Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)	
3307	LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S.	2	2TO		2.3+5.1 (+13)	274	0 E0	P200		MP9	(M)		PxBH(M)	TU6 TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		265	
3308	LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S.	2	2TC		2.3+8 (+13)	274	0 E0	P200		MP9	(M)		PxBH(M)	TU6 TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		268	
3309	LIQUEFIED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2	2TFC		2.3+2.1+8 (+13)	274	0 E0	P200		MP9	(M)		PxBH(M)	TU6 TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		263	
3310	LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2	2TOC		2.3+5.1+8 (+13)	274	0 E0	P200		MP9	(M)		PxBH(M)	TU6 TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		265	
3311	GAS, REFRIGERATED LIQUID, OXIDIZING, N.O.S.	2	30		2.2+5.1 (+13)	274	0 E0	P203		MP9	T75	TP5 TP22	RxBN	TU7 TU19 TA4 TT9 TM6	3	W5		CW9 CW11 CW30 CW36	CE2	225	

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3.5, 6.8.4	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
3312	GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.	2	3F		2.1 (+13)	274	0 E0	P203		MP9	T75	TP5	RxBN	TU18 TU38 TE22 TA4 TT9 TM6	2	W5		CW9 CW11 CW30 CW36	223
3313	ORGANIC PIGMENTS, SELF-HEATING	4.2	S2	II	4.2		0 E2	P002 IBC08	B4	MP14	T3	TP33	SGAV		2	W1			40
3313	ORGANIC PIGMENTS, SELF-HEATING	4.2	S2	III	4.2		0 E1	P002 IBC08 LP02 R001	B3	MP14	T1	TP33	SGAV		3	W1			40
3314	PLASTICS MOULDING COMPOUND in dough, sheet or extruded rope form evolving flammable vapour	9	M3	III	None	207 633	5 kg	P002 IBC08 R001	B3 B6	MP10					3		VW3	CW31	90
3315	CHEMICAL SAMPLE, TOXIC	6.1	T8	I	6.1	250	0 E5	P099		MP8 MP17					1			CW13 CW28 CW31	66
3316	CHEMICAL KIT or FIRST AID KIT	9	M11	II	9	251 340	0 E0	P901							2				90
3316	CHEMICAL KIT or FIRST AID KIT	9	M11	III	9	251 340	0 E0	P901							3				90
3317	2-AMINO-4,6-DINITROPHENOL, WETTED with not less than 20% water, by mass	4.1	D	I	4.1		0 E0	P406	PP26	MP2					1	W1			40
3318	AMMONIA SOLUTION, relative density less than 0.880 at 15 °C in water, with more than 50% ammonia	2	4TC		2.3+8 (+13)	23	0 E0	P200		MP9	T50 (M)		PxBH(M)	TU38 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10	268
3319	NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass	4.1	D	II	4.1	272 274	0 E0	P099 IBC99		MP2					2	W1			40

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								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions	Packages		Bulk	Loading, unloading and handling				
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3			
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3320	SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION, with not more than 12% sodium borohydride and not more than 40% sodium hydroxide by mass	8	C5	II	8		1 L	E2	P001 IBC02		MP15	T7	TP2	L4BN			2				CE6	80
3320	SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION, with not more than 12% sodium borohydride and not more than 40% sodium hydroxide by mass	8	C5	III	8		5 L	E1	P001 IBC03 LP01 R001		MP19	T4	TP2	L4BN			3	W12			CE8	80
3321	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non fissile or fissile-excepted	7			7X	172 317 325 336	0	E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3		T5	TP4	S2.65AN(+) L2.65CN(+)	TU36 TT7 TM7		0			CW33	CE15	70
3322	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), non fissile or fissile-excepted	7			7X	172 317 325 336	0	E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3		T5	TP4	S2.65AN(+) L2.65CN(+)	TU36 TT7 TM7		0			CW33	CE15	70
3323	RADIOACTIVE MATERIAL, TYPE C PACKAGE, non fissile or fissile-excepted	7			7X	172 317 325	0	E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3							0			CW33	CE15	70
3324	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE	7			7X+7E	172 326 336	0	E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3							0			CW33	CE15	70
3325	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY, (LSA-III), FISSILE	7			7X+7E	172 326 336	0	E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3							0			CW33	CE15	70
3326	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), FISSILE	7			7X+7E	172 336	0	E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3							0			CW33	CE15	70
3327	RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, non-special form	7			7X+7E	172 326	0	E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3							0			CW33	CE15	70
3328	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE	7			7X+7E	172 326 337	0	E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3							0			CW33	CE15	70

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.3.5, 6.8.4	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3b)	(4)		(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3329	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE	7			7X+7E	172 326 337	0 E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3						0			CW33	CE15	70
3330	RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE	7			7X+7E	172 326	0 E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3						0			CW33	CE15	70
3331	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, FISSILE	7			7X+7E	172 326	0 E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3						0			CW33	CE15	70
3332	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, non fissile or fissile-excepted	7			7X	172 317	0 E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3						0			CW33	CE15	70
3333	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE	7			7X+7E	172	0 E0	see 2.2.7 and 4.1.9	see 4.1.9.1.3						0			CW33	CE15	70
3334	Aviation regulated liquid, n.o.s.	9	M11																	
NOT SUBJECT TO RID																				
3335	Aviation regulated solid, n.o.s.	9	M11																	
NOT SUBJECT TO RID																				
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3	F1	I	3	274	0 E3	P001		MP17	T11	TP2	L4BN		1					33
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S. (vapour pressure at 50 °C more than 110 kPa)	3	F1	II	3	274 640C	1 L E2	P001		MP19	T7	TP1 TP8 TP28	L1.5BN		2				CE7	33
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S. (vapour pressure at 50 °C not more than 110 kPa)	3	F1	II	3	274 640D	1 L E2	P001 IBC02 R001		MP19	T7	TP1 TP8 TP28	LGBF		2				CE7	33
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3	F1	III	3	274	5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1 TP29	LGBF		3	W12			CE4	30

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.4	4.1.4	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.16	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(20)
3337	REFRIGERANT GAS R 404A (Pentafluoroethane, 1,1,1-trifluoroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 44% pentafluoroethane and 52% 1,1,1-trifluoroethane)	2	2A	2.2 (+13)		120 ml	P200			MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	20
3338	REFRIGERANT GAS R 407A (Difluoromethane, pentafluoroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 20% difluoromethane and 40% pentafluoroethane)	2	2A	2.2 (+13)		120 ml	P200			MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	20
3339	REFRIGERANT GAS R 407B (Difluoromethane, pentafluoroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 10% difluoromethane and 70% pentafluoroethane)	2	2A	2.2 (+13)		120 ml	P200			MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	20
3340	REFRIGERANT GAS R 407C (Difluoromethane, pentafluoroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 23% difluoromethane and 25% pentafluoroethane)	2	2A	2.2 (+13)		120 ml	P200			MP9	T50 (M)		PxBN(M)	TA4 TT9 TM6	3			CW9 CW10 CW36	20
3341	THIOUREA DIOXIDE	4.2	S2	II	4.2	0	P002 IBC06			MP14	T3	TP33	SGAV		2	W1			40
3341	THIOUREA DIOXIDE	4.2	S2	III	4.2	0	P002 IBC08 LP02 R001	B3		MP14	T1	TP33	SGAV		3	W1			40
3342	XANTHATES	4.2	S2	II	4.2	0	P002 IBC06			MP14	T3	TP33	SGAV		2	W1			40
3342	XANTHATES	4.2	S2	III	4.2	0	P002 IBC08 LP02 R001	B3		MP14	T1	TP33	SGAV		3	W1			40

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.	
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3343	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% nitroglycerin, by mass	3	D		3	274 278	0 E0	P099			MP2					0					30/ 33
3344	PENTAERYTHRITOL TETRANITRATE; (PETN) MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by mass	4.1	D	II	4.1	272 274	0 E0	P099			MP2					2	W1			CE10	40
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	T7	I	6.1	61 274 648	0 E5	P002 IBC07			MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31	CE12	66
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	T7	II	6.1	61 274 648	500 g	P002 IBC08	B4		MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9 CE12	60
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg	P002 IBC08 LP02 R001	B3		MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11 CE12	60
3346	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0 E0	P001			MP7 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
3346	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	II	3+6.1	61 274	1 L	P001 IBC02 R001			MP19	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28	CE7	336
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0 E5	P001			MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	663

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers	RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.	
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code		Packages	Bulk	Loading, unloading and handling			
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)	
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 E4 ml	P001 IBC02		MP15	T11	TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	63
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L E1	P001 IBC03 R001		MP19	T7	TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	63
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0 E5	P001		MP8 MP17	T14	TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31	CE12	66
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml E4	P001 IBC02		MP15	T11	TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5 CE12	60
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8 CE12	60
3349	PYRETHROID PESTICIDE, SOLID, TOXIC	6.1	T7	I	6.1	61 274 648	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31	CE12	66
3349	PYRETHROID PESTICIDE, SOLID, TOXIC	6.1	T7	II	6.1	61 274 648	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9 CE12	60
3349	PYRETHROID PESTICIDE, SOLID, TOXIC	6.1	T7	III	6.1	61 274 648	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2	VW9		CW13 CW28 CW31	CE11 CE12	60
3350	PYRETHROID PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	I	3+6.1	61 274	0 E0	P001		MP7 MP17	T14	TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	(7a) (7b)	4.1.4	4.1.4	4.1.10	4.2.5.2, 4.2.5.3	4.3	4.3.5, 6.8.4	7.5.11	7.6	7.2.4	7.3.3	7.5.11	5.3.2.3	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3350	PYRETHROID PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3	FT2	II	3+6.1	61 274	1 L E2	P001 IBC02 R001		MP19	TP27	L4BH	TU15		2			CW13 CW28 CW31	CE7	336
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	I	6.1+3	61 274	0 E5	P001		MP8 MP17	TP2	L10CH	TU14 TU15 TU38 TE21 TE22		1			CW13 CW28 CW31	CE12	663
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	II	6.1+3	61 274	100 ml E4	P001 IBC02		MP15	TP2	L4BH	TU15		2			CW13 CW28 CW31	CE5 CE12	63
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	6.1	TF2	III	6.1+3	61 274	5 L E1	P001 IBC03 R001		MP19	TP2	L4BH	TU15		2	W12		CW13 CW28 CW31	CE8 CE12	63
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	T6	I	6.1	61 274 648	0 E5	P001		MP8 MP17	TP2	L10CH	TU14 TU15 TU38 TE21 TE22		1			CW13 CW28 CW31	CE12	66
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	T6	II	6.1	61 274 648	100 ml E4	P001 IBC02		MP15	TP2	L4BH	TU15		2			CW13 CW28 CW31	CE5 CE12	60
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1	T6	III	6.1	61 274 648	5 L E1	P001 IBC03 LP01 R001		MP19	TP2	L4BH	TU15		2	W12		CW13 CW28 CW31	CE8 CE12	60
3354	INSECTICIDE GAS, FLAMMABLE, N.O.S.	2	2F		2.1 (+13)	274	0 E0	P200		MP9	(M)	PxBN(M)	TU38 TE22 TA4 TT9 TM6		2			CW9 CW10 CW36	CE3	23

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colts express (express parcels)	Hazard identification No.						
								Packing instructions Special packing provisions Mixed packing provisions	Instruct-ions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling								
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3355	INSECTICIDE GAS, TOXIC, FLAMMABLE; N.O.S.	2	21F		2.3+2.1 (+13)	274	0 E0	P200		MP9	(M)		PxBH(M)	TU38 TU36 TE22 TE25 TA4 TT9 TM6	1			CW9 CW10 CW36		263
3356	OXYGEN GENERATOR, CHEMICAL	5.1	O3	II	5.1	284	0 E0	P500		MP2					2			CW24		50
3357	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass	3	D	II	3	274 288	0 E0	P099		MP2					2				CE7	33
3358	REFRIGERATING MACHINES containing flammable, non-toxic, liquefied gas	2	6F		2.1	291	0 E0	P003	PP32	MP9					2			CW9	CE2	23
3359	FUMIGATED CARGO TRANSPORT	9	M11			302														
3360	Fibres, vegetable, dry	4.1	F1																	
3361	CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.	6.1	TC1	II	6.1+8	274	0 E0	P010		MP15	T14	TP2 TP7 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	68
3362	CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1	TFC	II	6.1+3+8	274	0 E0	P010		MP15	T14	TP2 TP7 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	638
3363	Dangerous goods in machinery or dangerous goods in apparatus	9	M11																	
3364	TRINITROPHENOL (PICRIC ACID), WETTED with not less than 10% water, by mass	4.1	D	I	4.1		0 E0	P406	PP24	MP2					1	W1				40
3365	TRINITROCHLOROBENZENE (PICRYL CHLORIDE), WETTED with not less than 10% water, by mass	4.1	D	I	4.1		0 E0	P406	PP24	MP2					1	W1				40
3366	TRINITROTOLUENE (TNT), WETTED with not less than 10% water, by mass	4.1	D	I	4.1		0 E0	P406	PP24	MP2					1	W1				40
3367	TRINITROBENZENE, WETTED with not less than 10% water, by mass	4.1	D	I	4.1		0 E0	P406	PP24	MP2					1	W1				40
3368	TRINITROBENZOIC ACID, WETTED with not less than 10% water, by mass	4.1	D	I	4.1		0 E0	P406	PP24	MP2					1	W1				40

NOT SUBJECT TO RID (see also 1.1.3.1 (b))

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc-tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3369	SODIUM DINITRO-o-CRESOLATE, WETTED with not less than 10% water, by mass	4.1	DT	I	4.1+6.1		0	P406	PP24	MP2					1	W1		CW13 CW28		46
3370	UREA NITRATE, WETTED with not less than 10% water, by mass	4.1	D	I	4.1		0	P406	PP78	MP2					1	W1				40
3371	2-METHYLBUTANAL	3	F1	II	3		1 L	P001 IBC02 R001		MP19	T4	TP1	LGBF		2				CE7	33
3373	BIOLOGICAL SUBSTANCE, CATEGORY B	6.2	I4		6.2	319	0	P650			T1	TP1	L4BH	TU15 TU37					CE14	606
3373	BIOLOGICAL SUBSTANCE, CATEGORY B (animal material only)	6.2	I4		6.2	319	0	P650			T1 BK1 BK2	TP1	L4BH	TU15 TU37					CE14	606
3374	ACETYLENE, SOLVENT FREE	2	2F		2.1		0	P200		MP9					2			CW9 CW10 CW36	CE3	239
3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives, liquid	5.1	O1	II	5.1	309	0	P099 IBC99		MP2	T1	TP1 TP9 TP17 TP32	LGAV(+)	TU3 TU12 TU39 TE10 TE23 TA1 TA3	2			CW24		50
3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives, solid	5.1	O2	II	5.1	309	0	P099 IBC99		MP2	T1	TP1 TP9 TP17 TP32	SGAV(+)	TU3 TU12 TU39 TE10 TE23 TA1 TA3	2			CW24		50
3376	4-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass	4.1	D	I	4.1		0	P406	PP26	MP2					1	W1			CE10	40
3377	SODIUM PERBORATE MONOHYDRATE	5.1	O2	III	5.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1 BK1 BK2	TP33	SGAV	TU3	3		VW8	CW24	CE11	50

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.3.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3378	SODIUM CARBONATE PEROXYHYDRATE	5.1	O2	II	5.1		1 kg	P002 IBC08	B4	MP10	T3 BK1 BK2	TP33	SGAV	TU3	2	W11	VW8	CW24	CE10	50
3378	SODIUM CARBONATE PEROXYHYDRATE	5.1	O2	III	5.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1 BK1 BK2	TP33	SGAV	TU3	3		VW8	CW24	CE11	50
3379	DESENSITIZED EXPLOSIVE, LIQUID, N.O.S.	3	D	I	3	274 311	0 E0	P099		MP2					1					33
3380	DESENSITIZED EXPLOSIVE, SOLID, N.O.S.	4.1	D	I	4.1	274 311	0 E0	P099		MP2					1	W1				40
3381	TOXIC BY INHALATION LIQUID, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	T1 or T4	I	6.1	274	0 E0	P601		MP8 MP17	T22	TP2	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
3382	TOXIC BY INHALATION LIQUID, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	T1 or T4	I	6.1	274	0 E0	P602		MP8 MP17	T20	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
3383	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	TF1	I	6.1+3	274	0 E0	P601		MP8 MP17	T22	TP2	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
3384	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	TF1	I	6.1+3	274	0 E0	P602		MP8 MP17	T20	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	(3a)	(4)	(5)	(6)	(7a)	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.10	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)		(3b)					(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3385	TOXIC BY INHALATION LIQUID, WATER REACTIVE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	TW1	I	6.1+4.3	274	0	P601		MP8 MP17	T22	TP2	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		623
3386	TOXIC BY INHALATION LIQUID, WATER REACTIVE, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	TW1	I	6.1+4.3	274	0	P602		MP8 MP17	T20	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		623
3387	TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	TO1	I	6.1+5.1	274	0	P601		MP8 MP17	T22	TP2	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		665
3388	TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	TO1	I	6.1+5.1	274	0	P602		MP8 MP17	T20	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		665
3389	TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1 or TC3	TC1 or TC3	I	6.1+8	274	0	P601		MP8 MP17	T22	TP2	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		668
3390	TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1 or TC3	TC1 or TC3	I	6.1+8	274	0	P602		MP8 MP17	T20	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		668

UN No	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colis express (express parcels)	Hazard identification No.
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	Packing instructions Special packing provisions Mixed packing provisions	Instruct-ions Special provisions	Tank code Special provisions	1.1.3.10	Packages Bulk Loading, unloading and handling	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8) (9a) (9b)	(10) (11)	(12) (13)	(15)	(16) (17) (18)	(19)	(20)
3391	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC	4.2	S5	I	4.2	274	0 E0	P404 PP86 MP2	T21 TP7 TP33 TP36	L21DH TU14 TU22 TU38 TC1 TE21 TE22 TE25 TM1	0	W1		43
3392	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC	4.2	S5	I	4.2	274	0 E0	P400 PP86 MP2	T21 TP2 TP7 TP36	L21DH TU4 TU14 TU22 TU38 TC1 TE21 TE22 TE25 TM1	0	W1		333
3393	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC, WATER- REACTIVE	4.2	SW	I	4.2+4.3	274	0 E0	P404 PP86 MP2	T21 TP7 TP33 TP36	L21DH TU4 TU14 TU22 TU38 TC1 TE21 TE22 TE25 TM1	0	W1		X432
3394	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER- REACTIVE	4.2	SW	I	4.2+4.3	274	0 E0	P400 PP86 MP2	T21 TP2 TP7 TP36	L21DH TU4 TU14 TU22 TU38 TC1 TE21 TE22 TE25 TM1	0	W1		X333

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers	RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions		Instruct-ions	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	(3a)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	T9	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	5.3.2.3
(1)		2.2	(3b)	(4)	(5)	(6)	(7a)	(7b)	(9a)	(9b)	T9	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	(15)	(20)
3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	W2	I	4.3	274	0	E0	P403	MP2	TP33 TP36	SGAN L10DH	TU4 TU14 TU22 TU38 TE21 TE22 TM2	1	W1		CW23		X423
3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	W2	II	4.3	274	500 g	E2	P410 IBC04	MP14	TP33 TP36	SGAN L4DH	TU14 TE21 TM2	2	W1		CW23	CE10	423
3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	W2	III	4.3	274	1 kg	E1	P410 IBC06	MP14	TP33 TP36	SGAN L4DH	TU14 TE21 TM2	3	W1		CW23	CE11	423
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	WF2	I	4.3+4.1	274	0	E0	P403	MP2	TP7 TP33 TP36	SGAN L10DH	TU4 TU14 TU22 TU38 TE21 TE22 TM2	0	W1		CW23		X423
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	WF2	II	4.3+4.1	274	500 g	E2	P410 IBC04	MP14	TP33 TP36	SGAN L4DH	TU14 TE21 TM2	0	W1		CW23	CE10	423
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	WF2	III	4.3+4.1	274	1 kg	E1	P410 IBC06	MP14	TP33 TP36	SGAN L4DH	TU14 TE21 TM2	0	W1		CW23	CE11	423
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	WS	I	4.3+4.2	274	0	E0	P403	MP2	TP7 TP33 TP36	SGAN L10DH	TU14 TU38 TE21 TE22 TM2	1	W1		CW23		X423
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	WS	II	4.3+4.2	274	500 g	E2	P410 IBC04	MP14	TP33 TP36	SGAN L4DH		2	W1		CW23	CE10	423
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	WS	III	4.3+4.2	274	1 kg	E1	P410 IBC06	MP14	TP33 TP36	SGAN L4DH		3	W1		CW23	CE11	423

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling	
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/5.5.1.2	4.1.4	4.1.4	4.1.10	4.2.6.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(20)
3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3	W1	I	4.3	274	0 E0	P402		MP2	T13	TP2 TP7 TP36	L10DH	TU4 TU14 TU22 TU38 TE21 TE22 TM2	0	W1		CW23	X323
3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3	W1	II	4.3	274	500 ml	P001 IBC01		MP15	T7	TP2 TP7 TP36	L4DH	TU14 TE21 TM2	0	W1		CW23	323
3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3	W1	III	4.3	274	1 L	P001 IBC02		MP15	T7	TP2 TP7 TP36	L4DH	TU14 TE21 TM2	0	W1		CW23	323
3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	WF1	I	4.3+3	274	0 E0	P402		MP2	T13	TP2 TP7 TP36	L10DH	TU4 TU14 TU22 TU38 TE21 TE22 TM2	0	W1		CW23	X323
3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	WF1	II	4.3+3	274	500 ml	P001 IBC01		MP15	T7	TP2 TP7 TP36	L4DH	TU4 TU14 TU22 TE21 TM2	0	W1		CW23	323
3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	WF1	III	4.3+3	274	1 L	P001 IBC02 R001		MP15	T7	TP2 TP7 TP36	L4DH	TU14 TE21 TM2	0	W1		CW23	323
3400	ORGANOMETALLIC SUBSTANCE, SOLID, SELF-HEATING	4.2	S5	II	4.2	274	500 g	P410 IBC06		MP14	T3	TP33 TP36	SGAN L4BN		2	W1		CE10	40
3400	ORGANOMETALLIC SUBSTANCE, SOLID, SELF-HEATING	4.2	S5	III	4.2	274	1 kg	P002 IBC08		MP14	T1	TP33 TP36	SGAN L4BN		3	W1		CE11	40
3401	ALKALI METAL AMALGAM, SOLID	4.3	W2	I	4.3	182	0 E0	P403		MP2	T9	TP7 TP33	L10BN(+)	TU1 TE5 TT3 TM2	1	W1		CW23	X423

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colis express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruc- tions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)
3402	ALKALINE EARTH METAL AMALGAM, SOLID	4.3	W2	I	4.3	183 506	0 E0	P403	MP2	TP7 TP33	1	W1	W1	X423
3403	POTASSIUM METAL ALLOYS, SOLID	4.3	W2	I	4.3		0 E0	P403	MP2	TP7 TP33	1	W1	W1	X423
3404	POTASSIUM SODIUM ALLOYS, SOLID	4.3	W2	I	4.3		0 E0	P403	MP2	TP7 TP33	1	W1	W1	X423
3405	BARIUM CHLORATE SOLUTION	5.1	OT1	II	5.1+6.1		1 L	P504 IBC02	MP2	TP1	2		CW24 CW28	56
3405	BARIUM CHLORATE SOLUTION	5.1	OT1	III	5.1+6.1		5 L	P001 IBC02	MP2	TP1	3		CW24 CW28	56
3406	BARIUM PERCHLORATE SOLUTION	5.1	OT1	II	5.1+6.1		1 L	P504 IBC02	MP2	TP1	2		CW24 CW28	56
3406	BARIUM PERCHLORATE SOLUTION	5.1	OT1	III	5.1+6.1		5 L	P001 IBC02	MP2	TP1	3		CW24 CW28	56
3407	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION	5.1	O1	II	5.1		1 L	P504 IBC02	MP2	TP1	2		CW24 CW28	50
3407	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION	5.1	O1	III	5.1		5 L	P504 IBC02	MP2	TP1	3		CW24 CW28	50
3408	LEAD PERCHLORATE SOLUTION	5.1	OT1	II	5.1+6.1		1 L	P504 IBC02	MP2	TP1	2		CW24 CW28	56
3408	LEAD PERCHLORATE SOLUTION	5.1	OT1	III	5.1+6.1		5 L	P001 IBC02	MP2	TP1	3		CW24 CW28	56
3409	CHLORONITROBENZENES, LIQUID	6.1	T1	II	6.1	279	100 ml	P001 IBC02	MP15	TP2	2		CW13 CW28 CW31	60
3410	4-CHLORO-6-TOLUIDINE HYDROCHLORIDE SOLUTION	6.1	T1	III	6.1		5 L	P001 IBC03 R001	MP19	TP1	2	W12	CW13 CW28 CW31	60
3411	Beta-NAPHTHYLAMINE SOLUTION	6.1	T1	II	6.1		100 ml	P001 IBC02	MP15	TP2	2		CW13 CW28 CW31	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provi-sions	Tank code	Special provi-sions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3411	beta-NAPHTHYLAMINE SOLUTION	6.1	T1	III	6.1		5 L E1	P001 IBC02		MP19	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE8	60
3412	FORMIC ACID with not less than 10% but not more than 85% acid by mass	8	C3	II	8		1 L E2	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	80
3412	FORMIC ACID with not less than 5% but less than 10% acid by mass	8	C3	III	8		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BN		3	W12			CE8	80
3413	POTASSIUM CYANIDE SOLUTION	6.1	T4	I	6.1		0 E5	P001		MP8 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
3413	POTASSIUM CYANIDE SOLUTION	6.1	T4	II	6.1		100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
3413	POTASSIUM CYANIDE SOLUTION	6.1	T4	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
3414	SODIUM CYANIDE SOLUTION	6.1	T4	I	6.1		0 E5	P001		MP8 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
3414	SODIUM CYANIDE SOLUTION	6.1	T4	II	6.1		100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
3414	SODIUM CYANIDE SOLUTION	6.1	T4	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T7	TP2 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
3415	SODIUM FLUORIDE SOLUTION	6.1	T4	III	6.1		5 L E1	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Coils express (express parcels)	Hazard identification No.
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)
3416	CHLOROACETOPHENONE, LIQUID	6.1	T1	II	6.1		0 E4	P001 IBC02	MP15	TP2	L4BH	TU15	CE5	60
3417	XYLYL BROMIDE, SOLID	6.1	T2	II	6.1		0 E4	P002 IBC08	MP10	TP33	SGAH L4BH	TU15	CE9	60
3418	2,4-TOLYLENEDIAMINE SOLUTION	6.1	T1	III	6.1		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	L4BH	TU15	CE8	60
3419	BORON TRIFLUORIDE ACETIC ACID COMPLEX, SOLID	8	C4	II	8		1 kg E2	P002 IBC08	MP10	TP33	SGAN L4BN	TU14	CE10	80
3420	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, SOLID	8	C4	II	8		1 kg E2	P002 IBC08	MP10	TP33	SGAN L4BN	TU14	CE10	80
3421	POTASSIUM HYDROGENDIFLUORIDE SOLUTION	8	CT1	II	8+6.1		1 L E2	P001 IBC02	MP15	TP2	L4DH	TU14 TE17 TE21 TT4	CE6	86
3421	POTASSIUM HYDROGENDIFLUORIDE SOLUTION	8	CT1	III	8+6.1		5 L E1	P001 IBC03 R001	MP19	TP1	L4DH	TU14 TE21	CE8	86
3422	POTASSIUM FLUORIDE SOLUTION	6.1	T4	III	6.1		5 L E1	P001 IBC03 LP01 R001	MP19	TP1	L4BH	TU15	CE8	60
3423	TETRAMETHYLAMMONIUM HYDROXIDE, SOLID	8	C8	II	8		1 kg E2	P002 IBC08	MP10	TP33	SGAN L4BN	TU15	CE10	80
3424	AMMONIUM DINITRO- <i>o</i> -CRESOLATE SOLUTION	6.1	T1	II	6.1		100 ml E4	P001 IBC02	MP15	TP2	L4BH	TU15	CE5	60
3424	AMMONIUM DINITRO- <i>o</i> -CRESOLATE SOLUTION	6.1	T1	III	6.1		5 L E1	P001 IBC02	MP19	TP2	L4BH	TU15	CE8	60
3425	BROMOACETIC ACID, SOLID	8	C4	II	8		1 kg E2	P002 IBC08	MP10	TP33	SGAN L4BN	TU15	CE10	80

3.2-A-252

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.1.0	4.2.5.2	4.2.5.3	4.3	4.3.5.	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3426	ACRYLAMIDE SOLUTION	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
3427	CHLOROBENZYL CHLORIDES, SOLID	6.1	T2	III	6.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9		CE11	60
3428	3-CHLORO-4-METHYLPHENYL ISOCYANATE, SOLID	6.1	T2	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3429	CHLOROTOLUIDINES, LIQUID	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
3430	XYLENOLS, LIQUID	6.1	T1	II	6.1		100 ml	P001 IBC02		MP15	T7	TP2	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
3431	NITROBENZOTRIFLUORIDES, SOLID	6.1	T2	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3432	POLYCHLORINATED BIPHENYLS, SOLID	9	M2	II	9	305	1 kg	P906 IBC08	B4	MP10	T3	TP33	S4AH L4BH	TU15	0	W11	VW15	CW13 CW28 CW31	CE9	90
3434	NITROCRESOLS, LIQUID	6.1	T1	III	6.1		5 L	P001 IBC03 LP01 R001		MP19	T4	TP1	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
3436	HEXAFLUOROACETONE HYDRATE, SOLID	6.1	T2	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3437	CHLOROCRESOLS, SOLID	6.1	T2	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60

3.2-A-253

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3438	alpha-METHYLBENZYL ALCOHOL, SOLID	6.1	T2	III	6.1		5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3439	NITRILES, SOLID, TOXIC, N.O.S.	6.1	T2	I	6.1	274	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
3439	NITRILES, SOLID, TOXIC, N.O.S.	6.1	T2	II	6.1	274	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3439	NITRILES, SOLID, TOXIC, N.O.S.	6.1	T2	III	6.1	274	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1	T4	I	6.1	274 563	0 E5	P001		MP8 MP17	T14	TP2 TP27	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		66
3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1	T4	II	6.1	274 563	100 ml E4	P001 IBC02		MP15	T11	TP2 TP27	L4BH	TU15	2			CW13 CW28 CW31	CE5	60
3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1	T4	III	6.1	274 563	5 L E1	P001 IBC03 R001		MP19	T7	TP1 TP28	L4BH	TU15	2	W12		CW13 CW28 CW31	CE8	60
3441	CHLORODINITROBENZENES, SOLID	6.1	T2	II	6.1	279	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3442	DICHLOROANILINES, SOLID	6.1	T2	II	6.1	279	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3443	DINITROBENZENES, SOLID	6.1	T2	II	6.1		500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Collis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	(3a)	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1e	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3444	NICOTINE HYDROCHLORIDE, SOLID	6.1	T2	II	6.1	43	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3445	NICOTINE SULPHATE, SOLID	6.1	T2	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3446	NITROTOLUENES, SOLID	6.1	T2	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3447	NITROXYLENES, SOLID	6.1	T2	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3448	TEAR GAS SUBSTANCE, SOLID, N.O.S.	6.1	T2	I	6.1	274	0	P002		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1					66
3448	TEAR GAS SUBSTANCE, SOLID, N.O.S.	6.1	T2	II	6.1	274	0	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3449	BROMOBENZYL CYANIDES, SOLID	6.1	T2	I	6.1	138	0	P002		MP18	T6	TP33	S10AH L10CH	TU15 TU38 TE22	1					66
3450	DIPHENYLCHLOROARSINE, SOLID	6.1	T3	I	6.1		0	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU15 TU38 TE22	1	W10				66
3451	TOLUIDINES, SOLID	6.1	T2	II	6.1	279	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3452	XYLIDINES, SOLID	6.1	T2	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3453	PHOSPHORIC ACID, SOLID	8	C2	III	8		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAV L4BN		3		VW9		CE11	80

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3454	DINITROTOLUENES, SOLID	6.1	T2	II	6.1		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3455	CRESOLS, SOLID	6.1	TC2	II	6.1+8		500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	68
3456	NITROSYLSULPHURIC ACID, SOLID	8	C2	II	8		1 kg	P002 IBC08	B4	MP10	T3	TP33	SGAN L4BN		2	W11			CE10	X80
3457	CHLORONITROTOLUENES, SOLID	6.1	T2	III	6.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3458	NITROANISOL, SOLID	6.1	T2	III	6.1	279	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3459	NITROBROMOBENZENES, SOLID	6.1	T2	III	6.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3460	N-ETHYLBENZYL TOLUIDINES, SOLID	6.1	T2	III	6.1		5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1	T2	I	6.1	210 274	0	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU15 TU38 TE22	1	W10		CW13 CW28 CW31		66
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1	T2	II	6.1	210 274	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1	T2	III	6.1	210 274	5 kg	P002 IBC08 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3463	PROPIONIC ACID with not less than 90% acid by mass	8	CF1	II	8+3		1 L	P001 IBC02		MP15	T7	TP2	L4BN		2				CE6	83

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3464	ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S.	6.1	T2	I	6.1	43 274	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
3464	ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S.	6.1	T2	II	6.1	43 274	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3464	ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S.	6.1	T2	III	6.1	43 274	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3465	ORGANOARSENIC COMPOUND, SOLID, N.O.S.	6.1	T3	I	6.1	274	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
3465	ORGANOARSENIC COMPOUND, SOLID, N.O.S.	6.1	T3	II	6.1	274	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3465	ORGANOARSENIC COMPOUND, SOLID, N.O.S.	6.1	T3	III	6.1	274	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3466	METAL CARBONYLS, SOLID, N.O.S.	6.1	T3	I	6.1	274 562	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
3466	METAL CARBONYLS, SOLID, N.O.S.	6.1	T3	II	6.1	274 562	500 g E4	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3466	METAL CARBONYLS, SOLID, N.O.S.	6.1	T3	III	6.1	274 562	5 kg E1	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(16)	(17)	(18)	(19)	(20)
3467	ORGANOMETALLIC COMPOUND, SOLID, TOXIC, N.O.S.	6.1	T3	I	6.1	274 562	0 E5	P002 IBC07		MP18	T6	TP33	S10AH L10CH	TU14 TU15 TU38 TE21 TE22	1	W10		CW13 CW28 CW31		66
3467	ORGANOMETALLIC COMPOUND, SOLID, TOXIC, N.O.S.	6.1	T3	II	6.1	274 562	500 g	P002 IBC08	B4	MP10	T3	TP33	SGAH L4BH	TU15	2	W11		CW13 CW28 CW31	CE9	60
3467	ORGANOMETALLIC COMPOUND, SOLID, TOXIC, N.O.S.	6.1	T3	III	6.1	274 562	5 kg	P002 IBC08 LP02 R001	B3	MP10	T1	TP33	SGAH L4BH	TU15	2		VW9	CW13 CW28 CW31	CE11	60
3468	HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM or HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM CONTAINED IN EQUIPMENT or HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM PACKED WITH EQUIPMENT	2	1F		2.1	321 356	0 E0	P205		MP9					2			CW9 CW10 CW36	CE3	23
3469	PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning and reducing compound)	3	FC	I	3+8	163	0 E0	P001		MP7 MP17	T11	TP2 TP27	L10CH	TU14 TU38 TE21 TE22	1					338
3469	PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning and reducing compound)	3	FC	II	3+8	163	1 L E2	P001 IBC02		MP19	T7	TP2 TP8 TP28	L4BH		2				CE7	338

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging	Portable tanks and bulk containers	RID Tanks	Transport category	Special provisions for carriage	Colls express (express parcels)	Hazard identification No.
								Packing instructions Special packing provisions Mixed packing provisions	Instruct- tions Special provisions	Tank code Special provisions		Packages Bulk Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5/1.2	4.1.4	4.1.4	4.3	1.1.3.1c	7.2.4	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(10)	(11)	(12)	(13)	(14)
3469	PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning and reducing compound)	3	FC	III	3+8	163	5 L E1	P001 IBC03 R001	MP19	T4	TP1 TP29	L4BN	W12	CE4
3470	PAINT, CORROSIVE, FLAMMABLE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE (including paint thinning and reducing compound)	8	CF1	II	8+3	163	1 L E2	P001 IBC02	MP15	T7	TP2 TP8 TP28	L4BN		CE6
3471	HYDROGENDIFLUORIDES SOLUTION, N.O.S.	8	CT1	II	8+6.1		1 L E2	P001 IBC02	MP15	T7	TP2	L4DH	TU14 TE17 TE21 TT4	CE6
3471	HYDROGENDIFLUORIDES SOLUTION, N.O.S.	8	CT1	III	8+6.1		5 L E1	P001 IBC03 R001	MP19	T4	TP1	L4DH	TU14 TE21	CE8
3472	CROTONIC ACID, LIQUID	8	C3	III	8		5 L E1	P001 IBC03 LP01 R001	MP19	T4	TP1	L4BN	W12	CE8
3473	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT containing flammable liquids	3	F3		3	328	1 L E0	P004			3		CE7	30
3474	1-HYDROXYBENZOTRIAZOLE MONOHYDRATE	4.1	D	I	4.1		0 E0	P406	MP2		1	W1		40
3475	ETHANOL AND GASOLINE MIXTURE or ETHANOL AND MOTOR SPIRIT MIXTURE or ETHANOL AND PETROL MIXTURE, with more than 10% ethanol	3	F1	II	3	333 363	1 L E2	P001 IBC02	MP19	T4	TP1	LGBF	CE7	33

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3476	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing water-reactive substances	4.3	W3		4.3	328 334	500 ml or 500 g	P004							3	W1		CW23	CE2	423
3477	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing corrosive substances	8	C11		8	328 334	1 L or 1 kg	P004							3				CE8	80
3478	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing liquefied flammable gas	2	6F		2.1	328 338	120 ml	P004							2			CW9 CW12	CE3	23
3479	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing hydrogen in metal hydride	2	6F		2.1	328 339	120 ml	P004							2			CW9 CW12	CE3	23
3480	LITHIUM ION BATTERIES (including lithium ion polymer batteries)	9	M4	II	9	188 230 310 348 636 661	0	P903 P903a P903b							2				CE2	90
3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)	9	M4	II	9	188 230 348 360 636 661	0	P903 P903a P903b							2				CE2	90

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UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colts express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3482	ALKALI METAL DISPERSION, FLAMMABLE or ALKALINE EARTH METAL DISPERSION, FLAMMABLE	4.3	WF1	I	4.3+3	182 183 506	0 E0	P402	RR8	MP2			L10BN(+)	TU1 TE5 TT3 TM2	1	W1		CW23		X323
3483	MOTOR FUEL ANTI-KNOCK MIXTURE, FLAMMABLE	6.1	TF1	I	6.1+3		0 E5	P602		MP8 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22 TT6	1			CW13 CW28 CW31		663
3484	HYDRAZINE AQUEOUS SOLUTION, FLAMMABLE with more than 37% hydrazine, by mass	8	CFT	I	8+3+6.1	530	0 E0	P001		MP8 MP17	T10	TP2	L10BH	TU38 TE22	1			CW13 CW28		886
3485	CALCIUM HYPOCHLORITE, DRY, CORROSIVE or CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 39% available chlorine (8.8% available oxygen)	5.1	OC2	II	5.1+8	314	1 kg E2	P002 IBC08	B4 B13	MP2			SGAN	TU3	2	W11		CW24 CW35	CE10	58
3486	CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 10% but not more than 39% available chlorine	5.1	OC2	III	5.1+8	314	5 kg E1	P002 IBC08 LP02 R001	B3 B13 L3	MP2			SGAN	TU3	3			CW24 CW35	CE11	58
3487	CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE with not less than 5.5% but not more than 16% water	5.1	OC2	II	5.1+8	314 322	1 kg E2	P002 IBC08	B4 B13	MP2			SGAN	TU3	2	W11		CW24 CW35	CE10	58
3487	CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE with not less than 5.5% but not more than 16% water	5.1	OC2	III	5.1+8	314	5 kg E1	P002 IBC08 R001	B4 B13	MP2			SGAN	TU3	3			CW24 CW35	CE11	58

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruc- tions	Special provisions	Tank code	Special provi- sions		Packages	Bulk	Loading, unloading and handling		
(1)	3.1.2 (2)	2.2 (3a)	2.2 (3b)	2.1.1.3 (4)	5.2.2 (5)	3.3 (6)	3.4/3.5.1.2 (7a) (7b)	4.1.4 (8)	4.1.4 (9a)	4.1.10 (9b)	4.2.5.2, 7.3.2 (10)	4.2.5.3 (11)	4.3 (12)	4.3.5, 6.8.4 (13)	1.1.3.10 (15)	7.2.4 (16)	7.3.3 (17)	7.5.11 (18)	7.6 (19)	5.3.2.3 (20)
3488	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	TFC	I	6.1+3+8	274	0 E0	P601		MP8 MP17	TP2	TP2	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
3489	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	TFC	I	6.1+3+8	274	0 E0	P602		MP8 MP17	TP2	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		663
3490	TOXIC BY INHALATION LIQUID, WATER REACTIVE, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	6.1	TFW	I	6.1+3+4.3	274	0 E0	P601		MP8 MP17	TP2	TP2	L15CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		623
3491	TOXIC BY INHALATION LIQUID, WATER REACTIVE, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	6.1	TFW	I	6.1+3+4.3	274	0 E0	P602		MP8 MP17	TP2	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28 CW31		623
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	FT1	I	3+6.1	343	0 E0	P001		MP7 MP17	T14	TP2	L10CH	TU14 TU15 TU38 TE21 TE22	1			CW13 CW28		336
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	FT1	II	3+6.1	343	1 L E2	P001 IBC02		MP19	T7	TP2	L4BH	TU15	2			CW13 CW28	CE7	336
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	FT1	III	3+6.1	343	5 L E1	P001 IBC03 R001		MP19	T4	TP1	L4BH	TU15	3	W12		CW13 CW28	CE4	36
3495	IODINE	8	CT2	III	8+6.1	279	5 kg E1	P002 IBC08 R001	B3	MP10	T1	TP33	SGAV L4BN		3		VW9	CW13 CW28	CE11	86

3.2-A-262

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Coils express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instruct-ions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
(1)	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(3a)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3496	Batteries, nickel-metal hydride	9	M11																	
3497	KRILL MEAL	4.2	S2	II	4.2	300	0	E2	P410	IBC06	TP33	SGAN			2	W1			CE10	40
3497	KRILL MEAL	4.2	S2	III	4.2	300	0	E1	P002	IBC08	TP33	SGAV			3	W1	VW4		CE11	40
3498	IODINE MONOCHLORIDE, LIQUID	8	C1	II	8		1 L	E2	P001	IBC02	TP2	L4BN			2				CE10	80
3499	CAPACITOR, electric double layer (with an energy storage capacity greater than 0.3 Wh)	9	M11		9	361	0	E0	P003						4				CE2	90
3500	CHEMICAL UNDER PRESSURE, N.O.S.	2	8A		2.2	274	0	E0	P206		TP4	TP40			3			CW9	CE2	20
3501	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.	2	8F		2.1	274	0	E0	P206	PP89	TP4	TP40			2			CW9	CE2	23
3502	CHEMICAL UNDER PRESSURE, TOXIC, N.O.S.	2	8T		2.2+6.1	274	0	E0	P206	PP89	TP4	TP40			1			CW9	CE2	26
3503	CHEMICAL UNDER PRESSURE, CORROSIVE, N.O.S.	2	8C		2.2+8	274	0	E0	P206	PP89	TP4	TP40			1			CW9	CE2	28
3504	CHEMICAL UNDER PRESSURE, FLAMMABLE, TOXIC, N.O.S.	2	8TF		2.1+6.1	274	0	E0	P206	PP89	TP4	TP40			1			CW9	CE2	263

NOT SUBJECT TO RID

3.2-A-263

UN No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities	Packaging			Portable tanks and bulk containers		RID Tanks		Transport category	Special provisions for carriage			Colis express (express parcels)	Hazard identification No.
								Packing instructions	Special packing provisions	Mixed packing provisions	Instructions	Special provisions	Tank code	Special provisions		Packages	Bulk	Loading, unloading and handling		
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4/3.5.1.2	4.1.4	4.1.4	4.1.10	4.2.5.2, 7.3.2	4.2.5.3	4.3	4.3.5, 6.8.4	1.1.3.1(c)	7.2.4	7.3.3	7.5.11	7.6	5.3.2.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a) (7b)	(8)	(9a)	(9b)	(10)	(11)	(12)	(13)	(15)	(16)	(17)	(18)	(19)	(20)
3505	CHEMICAL UNDER PRESSURE, FLAMMABLE, CORROSIVE, N.O.S.	2	8FC		2.1+8	274 659	0 E0	P206	PP89	MP9	T50	TP4 TP40			1			CW9 CW10 CW12 CW36	CE2	238
3506	MERCURY CONTAINED IN MANUFACTURED ARTICLES	8	CT3	III	8+6.1	366	5 kg E0	P003	PP90	MP15					3			CW13 CW28	CE11	86

Table B: Alphabetical List of Dangerous Goods

The names of the substances and articles are listed in alphabetical order. Arabic numbers or prefixes such as o-, m-, p-, n-, sec-, tert-, N-, alpha-, beta-, omega-, cis- and trans- are ignored for the purposes of alphabetical listing. However, prefixes Bis- and Iso- are counted as the first part of a name.

Column "NHM-Code" (Nomenclature Harmonisée Marchandises – Harmonized Goods List)

This column contains the NHM Code of the goods in accordance with the harmonized goods list (Annex 3 to UIC-leaflet 221). As dangerous goods are assigned to NHM codes in accordance with principles which do not reflect the classification principles of RID, it is not possible in all cases to assign a single NHM code to each RID substance description. This is especially true of collective entries and n.o.s. entries. In these cases, the correct NHM code can only be found if the chemical or technical description of the goods is known. If the correct NHM code can only be given in part, the missing figures are replaced with plus signs ("+"). In cases where there is more than one NHM code to be considered, two relevant NHM codes are shown, the most relevant code being indicated first.

The Secretariat of OTIF has assigned the NHM codes with the greatest care. However, it cannot be guaranteed that the content and technical details are entirely free from errors.

The information in this column is not legally binding.

Name and description	UN No.	Note	NHM Code
Accumulators, electric: see	2794		8507++
Accumulators, electric: see	2795		8507++
Accumulators, electric: see	2800		8507++
Accumulators, electric: see	3028		8507++
Accumulators, electric: see	3292		8507++
ACETAL	1088		291100
ACETALDEHYDE	1089		291212
ACETALDEHYDE AMMONIA	1841		292211
ACETALDEHYDE OXIME	2332		292800
ACETIC ACID, GLACIAL	2789		291521
ACETIC ACID SOLUTION, more than 10% but not more than 80% acid, by mass	2790		291521
ACETIC ACID SOLUTION, more than 80% acid, by mass	2789		291521
ACETIC ANHYDRIDE	1715		291524
Acetoin: see	2621		291440
ACETONE	1090		291411
ACETONE CYANOHYDRIN, STABILIZED	1541		292690
ACETONE OILS	1091		380700
ACETONITRILE	1648		292690
ACETYL BROMIDE	1716		291590
ACETYL CHLORIDE	1717		291590
ACETYLENE, DISSOLVED	1001		290129
ACETYLENE, SOLVENT FREE	3374		290129
Acetylene tetrabromide: see	2504		290339
Acetylene tetrachloride: see	1702		290319
ACETYL IODIDE	1898		291590
ACETYL METHYL CARBINOL	2621		291440
Acid butyl phosphate: see	1718		291990
Acid mixture, hydrofluoric and sulphuric: see	1786		281119
Acid mixture, nitrating acid: see	1796		280800
Acid mixture, spent, nitrating acid: see	1826		280800
			382569
Acraldehyde, inhibited: see	1092		291219
ACRIDINE	2713		293399
ACROLEIN DIMER, STABILIZED	2607		293299
ACROLEIN, STABILIZED	1092		291219
ACRYLAMIDE SOLUTION	3426		292419
ACRYLAMIDE, SOLID	2074		292419
ACRYLIC ACID, STABILIZED	2218		291611
ACRYLONITRILE, STABILIZED	1093		292610
Actinolite: see	2590		252490
Activated carbon: see	1362		380210
Activated charcoal: see	1362		380210
ADHESIVES containing flammable liquid	1133		350699
ADIPONITRILE	2205		292690
AEROSOLS	1950		+++++
AGENT, BLASTING, TYPE B	0331		360200
AGENT, BLASTING, TYPE E	0332		360200
AIR BAG INFLATORS	0503		870895
AIR BAG INFLATORS	3268		870895
AIR BAG MODULES	0503		870895
AIR BAG MODULES	3268		870895
AIR, COMPRESSED	1002		285300
AIRCRAFT HYDRAULIC POWER UNIT FUEL TANK (containing a mixture of anhydrous hydrazine and methylhydrazine) (M86 fuel)	3165		880330
AIR, REFRIGERATED LIQUID	1003		285300
ALCOHOLATES SOLUTION, N.O.S., in alcohol	3274		290519
ALCOHOLIC BEVERAGES	3065		2208++
ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	1986		2905++
ALCOHOLS, N.O.S.	1987		2905++
ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	1988		2912++
ALDEHYDES, N.O.S.	1989		2912++
ALDOL	2839		291230
ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.	3206		290519
ALKALI METAL ALLOY, LIQUID, N.O.S.	1421		280519
ALKALI METAL AMALGAM, LIQUID	1389		285300
ALKALI METAL AMALGAM, SOLID	3401		285300
ALKALI METAL AMIDES	1390		285300
ALKALI METAL DISPERSION	1391		280519
ALKALI METAL DISPERSION, FLAMMABLE	3482		280519
ALKALINE EARTH METAL ALCOHOLATES, N.O.S.	3205		290519

Name and description	UN No.	Note	NHM Code
ALKALINE EARTH METAL ALLOY, N.O.S.	1393		280519
ALKALINE EARTH METAL AMALGAM, LIQUID	1392		285300
ALKALINE EARTH METAL AMALGAM, SOLID	3402		285300
ALKALINE EARTH METAL DISPERSION	1391		280519
ALKALINE EARTH METAL DISPERSION, FLAMMA-BLE	3482		280519
ALKALOID SALTS, LIQUID, N.O.S.	3140		2939++
ALKALOID SALTS, SOLID, N.O.S.	1544		2939++
ALKALOIDS, LIQUID, N.O.S.	3140		2939++
ALKALOIDS, SOLID, N.O.S.	1544		2939++
ALKYLPHENOLS, LIQUID, N.O.S. (including C ₂ -C ₁₂ homologues)	3145		290719
ALKYLPHENOLS, SOLID, N.O.S. (including C ₂ -C ₁₂ homologues)	2430		290719
ALKYLSULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid	2584		290410
ALKYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	2586		290410
ALKYLSULPHONIC ACIDS, SOLID with more than 5% free sulphuric acid	2583		290410
ALKYLSULPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid	2585		290410
ALKYLSULPHURIC ACIDS	2571		290410
ALLYL ACETATE	2333		291539
ALLYL ALCOHOL	1098		290529
ALLYLAMINE	2334		292119
ALLYL BROMIDE	1099		290339
ALLYL CHLORIDE	1100		290329
ALLYL CHLOROFORMATE	1722		291590
ALLYL ETHYL ETHER	2335		290919
ALLYL FORMATE	2336		291513
ALLYL GLYCIDYL ETHER	2219		291090
ALLYL IODIDE	1723		290339
ALLYL ISOTHIOCYANATE, STABILIZED	1545		293090
ALLYLTRICHLOROSILANE, STABILIZED	1724		293100
ALUMINIUM BOROHYDRIDE	2870		285000
ALUMINIUM BOROHYDRIDE IN DEVICES	2870		285000
ALUMINIUM BROMIDE, ANHYDROUS	1725		282759
ALUMINIUM BROMIDE SOLUTION	2580		282759
ALUMINIUM CARBIDE	1394		284990
ALUMINIUM CHLORIDE, ANHYDROUS	1726		282732
ALUMINIUM CHLORIDE SOLUTION	2581		282732
ALUMINIUM FERROSILICON POWDER	1395		760120
ALUMINIUM HYDRIDE	2463		285000
ALUMINIUM NITRATE	1438		283429
ALUMINIUM PHOSPHIDE	1397		284800
ALUMINIUM PHOSPHIDE PESTICIDE	3048		380810
ALUMINIUM POWDER, COATED	1309		760310
ALUMINIUM POWDER, UNCOATED	1396		760310
ALUMINIUM REMELTING BY-PRODUCTS	3170		262040
ALUMINIUM RESINATE	2715		380620
ALUMINIUM SILICON POWDER, UNCOATED	1398		285000
ALUMINIUM SMELTING BY-PRODUCTS	3170		262040
AMINES, FLAMMABLE, CORROSIVE, N.O.S.	2733		2921++
AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	2734		2921++
AMINES, LIQUID, CORROSIVE, N.O.S.	2735		2921++
AMINES, SOLID, CORROSIVE, N.O.S.	3259		2921++
2-AMINO-4-CHLOROPHENOL	2673		292229
2-AMINO-5-DIETHYLAMINOPENTANE	2946		292129
2-AMINO-4,6-DINITROPHENOL, WETTED with not less than 20% water, by mass	3317		292229
2-(2-AMINOETHOXY)ETHANOL	3055		292250
N-AMINOETHYLPIPERAZINE	2815		293399
AMINOPHENOLS (o-, m-, p-)	2512		292229
AMINOPYRIDINES (o-, m-, p-)	2671		293339
AMMONIA, ANHYDROUS	1005		281410
AMMONIA SOLUTION, relative density between 0.880 and 0.957 at 15 °C in water, with more than 10% but not more than 35% ammonia	2672		281420
AMMONIA SOLUTION, relative density less than 0.880 at 15 °C in water, with more than 35% but not more than 50% ammonia	2073		281420
AMMONIA SOLUTION, relative density less than 0.880 at 15 °C in water, with more than 50% ammonia	3318		281420
AMMONIUM ARSENATE	1546		284290
Ammonium bifluoride solid: see	1727		282619
Ammonium bifluoride solution: see	2817		282619
Ammonium bisulphate: see	2506		283329
AMMONIUM DICHROMATE	1439		284150
AMMONIUM DINITRO-o-CRESOLATE, SOLID	1843		290899
AMMONIUM DINITRO-o-CRESOLATE SOLUTION	3424		290899

Name and description	UN No.	Note	NHM Code
AMMONIUM FLUORIDE	2505		282619
AMMONIUM FLUOROSILICATE	2854		282690
AMMONIUM HYDROGENDIFLUORIDE, SOLID	1727		282619
AMMONIUM HYDROGENDIFLUORIDE SOLUTION	2817		282619
AMMONIUM HYDROGEN SULPHATE	2506		283329
AMMONIUM METAVANADATE	2859		284190
AMMONIUM NITRATE BASED FERTILIZER	2067		310520
Ammonium nitrate based fertilizer, uniform mixtures of the nitrogen/phosphate, nitrogen/potash or nitrogen/phosphate/potash type, containing not more than 70% ammonium nitrate and not more than 0.4% total combustible/organic material calculated as carbon or with not more than 45% ammonium nitrate and unrestricted combustible material	2071	Exempt	310520
AMMONIUM NITRATE EMULSION, intermediate for blasting explosives	3375		360200
AMMONIUM NITRATE GEL, intermediate for blasting explosives	3375		360200
AMMONIUM NITRATE, LIQUID, hot concentrated solution, in a concentration of more than 80% but not more than 93%	2426		310230
AMMONIUM NITRATE SUSPENSION, intermediate for blasting explosives	3375		360200
AMMONIUM NITRATE with more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	0222		310230
AMMONIUM NITRATE with not more than 0.2% total combustible material, including any organic substance calculated as carbon, to the exclusion of any other added substance	1942		310230
AMMONIUM PERCHLORATE	0402		282990
AMMONIUM PERCHLORATE	1442		282990
AMMONIUM PERSULPHATE	1444		283340
AMMONIUM PICRATE dry or wetted with less than 10% water, by mass	0004		290899
AMMONIUM PICRATE, WETTED with not less than 10% water, by mass	1310		290899
AMMONIUM POLYSULPHIDE SOLUTION	2818		283090
AMMONIUM POLYVANADATE	2861		284190
AMMONIUM SULPHIDE SOLUTION	2683		283090
AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	0171		930690
AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	0254		930690
AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge	0297		930690
AMMUNITION, INCENDIARY, liquid or gel, with burster, expelling charge or propelling charge	0247		930690
AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	0009		930690
AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	0010		930690
AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge	0300		930690
AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	0243		930690
AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	0244		930690
AMMUNITION, PRACTICE	0362		930690
AMMUNITION, PRACTICE	0488		930690
AMMUNITION, PROOF	0363		930690
AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	0015		930690
AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	0016		930690
AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge	0303		930690
AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	0245		930690
AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge	0246		930690
AMMUNITION, TEAR-PRODUCING, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	2017		930690
AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	0018		930690
AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	0019		930690
AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge	0301		930690
AMMUNITION, TOXIC with burster, expelling charge or propelling charge	0020	Prohibited	
AMMUNITION, TOXIC with burster, expelling charge or propelling charge	0021	Prohibited	
AMMUNITION, TOXIC, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	2016		930690
Amosite: see	2212		252490
AMYL ACETATES	1104		291539
AMYL ACID PHOSPHATE	2819		291990
AMYLAMINE	1106		292119
AMYL BUTYRATES	2620		291590
AMYL CHLORIDE	1107		290319
n-AMYLENE	1108		290129
AMYL FORMATES	1109		291513
AMYL MERCAPTAN	1111		293090
n-AMYL METHYL KETONE	1110		291419
AMYL NITRATE	1112		292090
AMYL NITRITE	1113		292090
AMYLTRICHLOROSILANE	1728		293100
ANILINE	1547		292141
ANILINE HYDROCHLORIDE	1548		292141
ANISIDINES	2431		292229
ANISOLE	2222		290930
ANISOYL CHLORIDE	1729		291899

Name and description	UN No.	Note	NHM Code
Anthophyllite: see	2590		252490
ANTIMONY COMPOUND, INORGANIC, LIQUID, N.O.S.	3141		28++++
ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.	1549		28++++
Antimony hydride: see	2676		285000
ANTIMONY LACTATE	1550		291811
ANTIMONY PENTACHLORIDE, LIQUID	1730		282739
ANTIMONY PENTACHLORIDE SOLUTION	1731		282739
ANTIMONY PENTAFLUORIDE	1732		282619
ANTIMONY POTASSIUM TARTRATE	1551		291813
ANTIMONY POWDER	2871		811010
ANTIMONY TRICHLORIDE	1733		282739
ARGON, COMPRESSED	1006		280421
ARGON, REFRIGERATED LIQUID	1951		280421
Arsenates, n.o.s.: see	1556		284290
Arsenates, n.o.s.: see	1557		284290
ARSENIC	1558		280480
ARSENIC ACID, LIQUID	1553		281119
ARSENIC ACID, SOLID	1554		281119
ARSENICAL DUST	1562		280480
ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	2760		3808++
ARSENICAL PESTICIDE, LIQUID, TOXIC	2994		3808++
ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	2993		3808++
ARSENICAL PESTICIDE, SOLID, TOXIC	2759		3808++
ARSENIC BROMIDE	1555		281290
ARSENIC COMPOUND, LIQUID, N.O.S., inorganic	1556		28++++
ARSENIC COMPOUND, SOLID, N.O.S., inorganic	1557		28++++
ARSENIC PENTOXIDE	1559		282590
Arsenic sulphides, n.o.s.: see	1556		281390
Arsenic sulphides, n.o.s.: see	1557		281390
ARSENIC TRICHLORIDE	1560		281210
ARSENIC TRIOXIDE	1561		282590
Arsenites, n.o.s.: see	1556		284290
Arsenites, n.o.s.: see	1557		284290
ARSINE	2188		285000
ARTICLES, EEI	0486		930690
ARTICLES, EXPLOSIVE, EXTREMELY INSENSITIVE	0486		930690
ARTICLES, EXPLOSIVE, N.O.S.	0349		930690
ARTICLES, EXPLOSIVE, N.O.S.	0350		930690
ARTICLES, EXPLOSIVE, N.O.S.	0351		930690
ARTICLES, EXPLOSIVE, N.O.S.	0352		930690
ARTICLES, EXPLOSIVE, N.O.S.	0353		930690
ARTICLES, EXPLOSIVE, N.O.S.	0354		930690
ARTICLES, EXPLOSIVE, N.O.S.	0355		930690
ARTICLES, EXPLOSIVE, N.O.S.	0356		930690
ARTICLES, EXPLOSIVE, N.O.S.	0462		930690
ARTICLES, EXPLOSIVE, N.O.S.	0463		930690
ARTICLES, EXPLOSIVE, N.O.S.	0464		930690
ARTICLES, EXPLOSIVE, N.O.S.	0465		930690
ARTICLES, EXPLOSIVE, N.O.S.	0466		930690
ARTICLES, EXPLOSIVE, N.O.S.	0467		930690
ARTICLES, EXPLOSIVE, N.O.S.	0468		930690
ARTICLES, EXPLOSIVE, N.O.S.	0469		930690
ARTICLES, EXPLOSIVE, N.O.S.	0470		930690
ARTICLES, EXPLOSIVE, N.O.S.	0471		930690
ARTICLES, EXPLOSIVE, N.O.S.	0472		930690
ARTICLES, PRESSURIZED, HYDRAULIC (containing non-flammable gas)	3164		+++++
ARTICLES, PRESSURIZED, PNEUMATIC (containing non-flammable gas)	3164		+++++
ARTICLES, PYROPHORIC	0380		930690
ARTICLES, PYROTECHNIC for technical purposes	0428		360490
ARTICLES, PYROTECHNIC for technical purposes	0429		360490
ARTICLES, PYROTECHNIC for technical purposes	0430		360490
ARTICLES, PYROTECHNIC for technical purposes	0431		360490
ARTICLES, PYROTECHNIC for technical purposes	0432		360490
ARYLSULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid	2584		290410
ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	2586		290410
ARYLSULPHONIC ACIDS, SOLID with more than 5% free sulphuric acid	2583		290410
ARYLSULPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid	2585		290410
Aviation regulated liquid, n.o.s.	3334	Exempt	+++++
Aviation regulated solid, n.o.s.	3335	Exempt	+++++
AZODICARBONAMIDE	3242		292700

Name and description	UN No.	Note	NHM Code
BARIUM	1400		280519
BARIUM ALLOYS, PYROPHORIC	1854		280519
BARIUM AZIDE, dry or wetted with less than 50% water, by mass	0224	Prohibited	
BARIUM AZIDE, WETTED with not less than 50% water, by mass	1571		285000
BARIUM BROMATE	2719		282990
BARIUM CHLORATE, SOLID	1445		282919
BARIUM CHLORATE SOLUTION	3405		282919
BARIUM COMPOUND, N.O.S.	1564		+++++
BARIUM CYANIDE	1565		283719
BARIUM HYPOCHLORITE with more than 22% available chlorine	2741		282890
BARIUM NITRATE	1446		283429
BARIUM OXIDE	1884		281640
BARIUM PERCHLORATE, SOLID	1447		282990
BARIUM PERCHLORATE SOLUTION	3406		282990
BARIUM PERMANGANATE	1448		284169
BARIUM PEROXIDE	1449		281640
BATTERIES, CONTAINING SODIUM	3292		8506++
BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID, electric storage	3028		8507++
Batteries, nickel-metal hydride	3496	Exempt	850680
BATTERIES, WET, FILLED WITH ACID, electric storage	2794		8507++
BATTERIES, WET, FILLED WITH ALKALI, electric storage	2795		8507++
BATTERIES, WET, NON-SPILLABLE, electric storage	2800		8507++
BATTERY FLUID, ACID	2796		280700
BATTERY FLUID, ALKALI	2797		2815++
Battery-powered equipment	3171	Exempt	+++++
Battery-powered vehicle	3171	Exempt	+++++
BENZALDEHYDE	1990		291221
BENZENE	1114		290220 270710
BENZENESULPHONYL CHLORIDE	2225		290490
BENZIDINE	1885		292159
BENZONITRILE	2224		292690
BENZOQUINONE	2587		291469
BENZOTRICHLORIDE	2226		290369
BENZOTRIFLUORIDE	2338		290369
BENZOYL CHLORIDE	1736		291632
BENZYL BROMIDE	1737		290369
BENZYL CHLORIDE	1738		290369
BENZYL CHLOROFORMATE	1739		291590
Benzyl cyanide: see	2470		292690
BENZYL DIMETHYLAMINE	2619		292149
BENZYLIDENE CHLORIDE	1886		290369
BENZYL IODIDE	2653		290369
BERYLLIUM COMPOUND, N.O.S.	1566		28++++
BERYLLIUM NITRATE	2464		283429
BERYLLIUM POWDER	1567		811212
Bhusa	1327	Exempt	121300
BICYCLO[2.2.1]HEPTA-2,5-DIENE, STABILIZED	2251		290219
BIOLOGICAL SUBSTANCE, CATEGORY B	3373		+++++
BIOMEDICAL WASTE, N.O.S.	3291		382530
BIPYRIDILIUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	2782		380893
BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	3016		380893
BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	3015		380893
BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	2781		380893
BISULPHATES, AQUEOUS SOLUTION	2837		283329
BISULPHITES, AQUEOUS SOLUTION, N.O.S.	2693		283220
BLACK POWDER, COMPRESSED	0028		360200
BLACK POWDER, granular or as a meal	0027		360200
BLACK POWDER, IN PELLETS	0028		360200
BLUE ASBESTOS	2212		252410
BOMBS, PHOTO-FLASH	0037		930690
BOMBS, PHOTO-FLASH	0038		930690
BOMBS, PHOTO-FLASH	0039		930690
BOMBS, PHOTO-FLASH	0299		930690
BOMBS, SMOKE, NON-EXPLOSIVE with corrosive liquid, without initiating device	2028		930690
BOMBS with bursting charge	0033		930690
BOMBS with bursting charge	0034		930690
BOMBS with bursting charge	0035		930690
BOMBS with bursting charge	0291		930690
BOMBS WITH FLAMMABLE LIQUID with bursting charge	0399		930690

Name and description	UN No.	Note	NHM Code
BOMBS WITH FLAMMABLE LIQUID with bursting charge	0400		930690
BOOSTERS WITH DETONATOR	0225		360300
BOOSTERS WITH DETONATOR	0268		360300
BOOSTERS without detonator	0042		360300
BOOSTERS without detonator	0283		360300
BORNEOL	1312		290619
BORON TRIBROMIDE	2692		281290
BORON TRICHLORIDE	1741		281210
BORON TRIFLUORIDE	1008		281290
BORON TRIFLUORIDE ACETIC ACID COMPLEX, LIQUID	1742		294200
BORON TRIFLUORIDE ACETIC ACID COMPLEX, SOLID	3419		294200
BORON TRIFLUORIDE DIETHYL ETHERATE	2604		294200
BORON TRIFLUORIDE DIHYDRATE	2851		294200
BORON TRIFLUORIDE DIMETHYL ETHERATE	2965		294200
BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, LIQUID	1743		294200
BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, SOLID	3420		294200
BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	3213		282990
BROMATES, INORGANIC, N.O.S.	1450		282990
BROMINE	1744		280130
BROMINE CHLORIDE	2901		281210
BROMINE PENTAFLUORIDE	1745		281290
BROMINE SOLUTION	1744		280130
BROMINE TRIFLUORIDE	1746		281290
BROMOACETIC ACID, SOLID	3425		291590
BROMOACETIC ACID SOLUTION	1938		291590
BROMOACETONE	1569		291470
omega-Bromoacetone: see	2645		291470
BROMOACETYL BROMIDE	2513		291590
BROMOBENZENE	2514		290369
BROMOBENZYL CYANIDES, LIQUID	1694		292690
BROMOBENZYL CYANIDES, SOLID	3449		292690
1-BROMOBUTANE	1126		290339
2-BROMOBUTANE	2339		290339
BROMOCHLOROMETHANE	1887		290349
1-BROMO-3-CHLOROPROPANE	2688		290349
2-BROMOETHYL ETHYL ETHER	2340		290919
BROMOFORM	2515		290339
1-BROMO-3-METHYLBUTANE	2341		290339
BROMOMETHYLPROPANES	2342		290339
2-BROMO-2-NITROPROPANE-1,3-DIOL	3241		290559
2-BROMOPENTANE	2343		290339
BROMOPROPANES	2344		290339
3-BROMOPROPYNE	2345		290339
BROMOTRIFLUOROETHYLENE	2419		290347
BROMOTRIFLUOROMETHANE	1009		290346
BROWN ASBESTOS	2212		252490
BRUCINE	1570		293999
BURSTERS, explosive	0043		930690
BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, having a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l	1010		271114
BUTADIENES, STABILIZED (1,2-butadiene)	1010		271114 290129
BUTADIENES, STABILIZED (1,3-butadiene)	1010		271114 290124
BUTANE	1011		271113 290110
BUTANEDIONE	2346		291419
BUTANOLS	1120		290514 290513
BUTYL ACETATES	1123		291533 291539
BUTYL ACID PHOSPHATE	1718		291990
BUTYL ACRYLATES, STABILIZED	2348		291612
n-BUTYLAMINE	1125		292119
N-BUTYLANILINE	2738		292142
BUTYLBENZENES	2709		290290
n-Butyl bromide: see	1126		290339
Butyl chlorides: see	1127		290319
n-BUTYL CHLOROFORMATE	2743		291590
tert-BUTYLCYCLOHEXYL CHLOROFORMATE	2747		291590

Name and description	UN No.	Note	NHM Code
1-BUTYLENE	1012		290123
cis-2-BUTYLENE	1012		290123
trans-2-BUTYLENE	1012		290123
BUTYLENES MIXTURE	1012		271114 290123
1,2-BUTYLENE OXIDE, STABILIZED	3022		291090
n-BUTYL FORMATE	1128		291513
tert-BUTYL HYPOCHLORITE	3255	Prohibited	
N,n-BUTYLIMIDAZOLE	2690		293329
n-BUTYL ISOCYANATE	2485		292910
tert-BUTYL ISOCYANATE	2484		292910
BUTYL MERCAPTAN	2347		293090
n-BUTYL METHACRYLATE, STABILIZED	2227		291614
BUTYL METHYL ETHER	2350		290919
BUTYL NITRITES	2351		292090
BUTYL PROPIONATES	1914		291550
BUTYL TOLUENES	2667		290290
BUTYLTRICHLOROSILANE	1747		293100
5-tert-BUTYL-2,4,6-TRINITRO-m-XYLENE	2956		290420
BUTYL VINYL ETHER, STABILIZED	2352		290919
1,4-BUTYNEDIOL	2716		290539
BUTYRALDEHYDE	1129		291219
BUTYRALDOXIME	2840		292800
BUTYRIC ACID	2820		291560
BUTYRIC ANHYDRIDE	2739		291590
BUTYRONITRILE	2411		292690
BUTYRYL CHLORIDE	2353		291590
CACODYLIC ACID	1572		293100
CADMIUM COMPOUND	2570		+++++
CAESIUM	1407		280519
CAESIUM HYDROXIDE	2682		282590
CAESIUM HYDROXIDE SOLUTION	2681		282590
CAESIUM NITRATE	1451		283429
Cajeputene: see	2052		290219
CALCIUM	1401		280512
CALCIUM ALLOYS, PYROPHORIC	1855		280512
CALCIUM ARSENATE	1573		284290
CALCIUM ARSENATE AND CALCIUM ARSENITE MIXTURE, SOLID	1574		284290
CALCIUM CARBIDE	1402		284910
CALCIUM CHLORATE	1452		282919
CALCIUM CHLORATE, AQUEOUS SOLUTION	2429		282919
CALCIUM CHLORITE	1453		282890
CALCIUM CYANAMIDE with more than 0.1% calcium carbide	1403		310290
CALCIUM CYANIDE	1575		283719
CALCIUM DITHIONITE	1923		283190
CALCIUM HYDRIDE	1404		285000
CALCIUM HYDROSULPHITE	1923		283190
CALCIUM HYPOCHLORITE, DRY	1748		282810
CALCIUM HYPOCHLORITE, DRY, CORROSIVE	3485		282810
CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE with not less than 5.5% but not more than 16%	3487		282810
CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE with not less than 5.5% but not more than 16% water	3487		282810
CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, with not less than 5.5% but not more than 16% water	2880		282810
CALCIUM HYPOCHLORITE, HYDRATED, with not less than 5.5% but not more than 16% water	2880		282810
CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 10% but not more than 39% available chlorine	3486		282810
CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 39% available chlorine (8.8% available oxygen)	3485		282810
CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 10% but not more than 39% available chlorine	2208		282810
CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39% available chlorine (8.8% available oxygen)	1748		282810
CALCIUM MANGANESE SILICON	2844		285000
CALCIUM NITRATE	1454		283429
Calcium oxide	1910	Exempt	282590 252220
CALCIUM PERCHLORATE	1455		282990
CALCIUM PERMANGANATE	1456		284169
CALCIUM PEROXIDE	1457		282590
CALCIUM PHOSPHIDE	1360		284800
CALCIUM, PYROPHORIC	1855		280512

Name and description	UN No	Note	NHM Code
CALCIUM RESINATE	1313		380620
CALCIUM RESINATE, FUSED	1314		380620
CALCIUM SILICIDE	1405		285000
CAMPBOR OIL	1130		151590
CAMPBOR, synthetic	2717		291421
CAPACITOR, electric double layer (with an energy storage capacity greater than 0.3 Wh)	3499		8532++
CAPROIC ACID	2829		291590
CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	2758		3808++
CARBAMATE PESTICIDE, LIQUID, TOXIC	2992		3808++
CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	2991		3808++
CARBAMATE PESTICIDE, SOLID, TOXIC	2757		3808++
CARBON, ACTIVATED	1362		380210
CARBON, animal or vegetable origin	1361		280300
Carbon bisulphide: see	1131		281310
CARBON DIOXIDE	1013		281121
CARBON DIOXIDE, REFRIGERATED LIQUID	2187		281121
Carbon dioxide, solid	1845	Exempt	281121
CARBON DISULPHIDE	1131		281310
CARBON MONOXIDE, COMPRESSED	1016		281129
Carbon paper: see	1379		481160
CARBON TETRABROMIDE	2516		290339
CARBON TETRACHLORIDE	1846		290314
CARBONYL FLUORIDE	2417		281290
CARBONYL SULPHIDE	2204		285300
CARTRIDGES, FLASH	0049		360490
CARTRIDGES, FLASH	0050		360490
CARTRIDGES FOR TOOLS, BLANK	0014		930621 930630
CARTRIDGES FOR WEAPONS with bursting charge	0005		930630 930621
CARTRIDGES FOR WEAPONS with bursting charge	0006		930630 930621
CARTRIDGES FOR WEAPONS with bursting charge	0007		930630 930621
CARTRIDGES FOR WEAPONS with bursting charge	0321		930630 930621
CARTRIDGES FOR WEAPONS with bursting charge	0348		930630 930621
CARTRIDGES FOR WEAPONS with bursting charge	0412		930630 930621
CARTRIDGES FOR WEAPONS, BLANK	0014		930630 930621
CARTRIDGES FOR WEAPONS, BLANK	0326		930630 930621
CARTRIDGES FOR WEAPONS, BLANK	0327		930630 930621
CARTRIDGES FOR WEAPONS, BLANK	0338		930630 930621
CARTRIDGES FOR WEAPONS, BLANK	0413		930630 930621
CARTRIDGES FOR WEAPONS, INERT PROJECTILE	0012		930630 930621
CARTRIDGES FOR WEAPONS, INERT PROJECTILE	0328		930630 930621
CARTRIDGES FOR WEAPONS, INERT PROJECTILE	0339		930630 930621
CARTRIDGES FOR WEAPONS, INERT PROJECTILE	0417		930630 930621
CARTRIDGES, OIL WELL	0277		930630
CARTRIDGES, OIL WELL	0278		930630
CARTRIDGES, POWER DEVICE	0275		930630
CARTRIDGES, POWER DEVICE	0276		930630
CARTRIDGES, POWER DEVICE	0323		930630
CARTRIDGES, POWER DEVICE	0381		930630
CARTRIDGES, SIGNAL	0054		360490
CARTRIDGES, SIGNAL	0312		360490
CARTRIDGES, SIGNAL	0405		360490
CARTRIDGES, SMALL ARMS	0012		930621 930630

Name and description	UN No.	Note	NHM Code
CARTRIDGES, SMALL ARMS	0339		930621 930630
CARTRIDGES, SMALL ARMS	0417		930621 930630
CARTRIDGES, SMALL ARMS, BLANK	0014		930621 930630
CARTRIDGES, SMALL ARMS, BLANK	0327		930621 930630
CARTRIDGES, SMALL ARMS, BLANK	0338		930621 930630
CASES, CARTRIDGE, EMPTY, WITH PRIMER	0055		930690
CASES, CARTRIDGE, EMPTY, WITH PRIMER	0379		930690
CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER	0446		930690
CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER	0447		930690
CASTOR BEANS	2969		120799
CASTOR FLAKE	2969		120799
CASTOR MEAL	2969		120890
CASTOR POMACE	2969		230690
CAUSTIC ALKALI LIQUID, N.O.S.	1719		282590
Caustic potash: see	1814		281520
Caustic soda liquor: see	1824		281512
Caustic soda: see	1824		281512
CELLS, CONTAINING SODIUM	3292		8506++
CELLULOID in block, rods, rolls, sheets, tubes, etc., except scrap	2000		391220
CELLULOID, SCRAP	2002		391590
CERIUM, slabs, ingots or rods	1333		280530
CERIUM, turnings or gritty powder	3078		280530
CHARGES, BURSTING, PLASTICS BONDED	0457		930690
CHARGES, BURSTING, PLASTICS BONDED	0458		930690
CHARGES, BURSTING, PLASTICS BONDED	0459		930690
CHARGES, BURSTING, PLASTICS BONDED	0460		930690
CHARGES, DEMOLITION	0048		930690
CHARGES, DEPTH	0056		930690
CHARGES, EXPLOSIVE, COMMERCIAL without detonator	0442		930690
CHARGES, EXPLOSIVE, COMMERCIAL without detonator	0443		930690
CHARGES, EXPLOSIVE, COMMERCIAL without detonator	0444		930690
CHARGES, EXPLOSIVE, COMMERCIAL without detonator	0445		930690
CHARGES, PROPELLING	0271		930690
CHARGES, PROPELLING	0272		930690
CHARGES, PROPELLING	0415		930690
CHARGES, PROPELLING	0491		930690
CHARGES, PROPELLING, FOR CANNON	0242		930690
CHARGES, PROPELLING, FOR CANNON	0279		930690
CHARGES, PROPELLING, FOR CANNON	0414		930690
CHARGES, SHAPED, FLEXIBLE, LINEAR	0237		360300
CHARGES, SHAPED, FLEXIBLE, LINEAR	0288		360300
CHARGES, SHAPED, without detonator	0059		930690
CHARGES, SHAPED, without detonator	0439		930690
CHARGES, SHAPED, without detonator	0440		930690
CHARGES, SHAPED, without detonator	0441		930690
CHARGES, SUPPLEMENTARY, EXPLOSIVE	0060		930690
CHEMICAL KIT	3316		382200
CHEMICAL SAMPLE, TOXIC	3315		++++++
CHEMICAL UNDER PRESSURE, N.O.S.	3500		380000
CHEMICAL UNDER PRESSURE, CORROSIVE, N.O.S.	3503		380000
CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.	3501		380000
CHEMICAL UNDER PRESSURE, FLAMMABLE, CORROSIVE, N.O.S.	3505		380000
CHEMICAL UNDER PRESSURE, FLAMMABLE, TOXIC, N.O.S.	3504		380000
CHEMICAL UNDER PRESSURE, TOXIC, N.O.S.	3502		380000
CHLORAL, ANHYDROUS, STABILIZED	2075		291300
CHLORATE AND BORATE MIXTURE	1458		28291+ 2840++
CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	1459		28291+ 282731
CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION	3407		28291+ 282731
CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	3210		282919
CHLORATES, INORGANIC, N.O.S.	1461		282919
CHLORIC ACID, AQUEOUS SOLUTION with not more than 10% chloric acid	2626		281119
CHLORINE	1017		280110

Name and description	UN No.	Note	NHM Code
CHLORINE PENTAFLUORIDE	2548		281290
CHLORINE TRIFLUORIDE	1749		281210
CHLORITES, INORGANIC, N.O.S.	1462		282890
CHLORITE SOLUTION	1908		282890
Chloroacetaldehyde: see	2232		291300
CHLOROACETIC ACID, MOLTEN	3250		291540
CHLOROACETIC ACID, SOLID	1751		291540
CHLOROACETIC ACID SOLUTION	1750		291540
CHLOROACETONE, STABILIZED	1695		291470
CHLOROACETONITRILE	2668		292690
CHLOROACETOPHENONE, LIQUID	3416		291470
CHLOROACETOPHENONE, SOLID	1697		291470
CHLOROACETYL CHLORIDE	1752		291590
CHLOROANILINES, LIQUID	2019		292142
CHLOROANILINES, SOLID	2018		292142
CHLOROANISIDINES	2233		292229
CHLOROBENZENE	1134		290361
CHLOROBENZOTRIFLUORIDES	2234		290369
CHLOROBENZYL CHLORIDES, LIQUID	2235		290369
CHLOROBENZYL CHLORIDES, SOLID	3427		290369
CHLOROBUTANES	1127		290319
CHLOROCRESOLS, SOLID	3437		290819
CHLOROCRESOLS SOLUTION	2669		290819
CHLORODIFLUOROBROMOMETHANE	1974		290346
1-CHLORO-1,1-DIFLUOROETHANE	2517		290349
CHLORODIFLUOROMETHANE	1018		290349
CHLORODIFLUOROMETHANE AND CHLOROPENTAFLUOROETHANE MIXTURE with fixed boiling point, with approximately 49% chlorodifluoromethane	1973		382479
CHLORODINITROBENZENES, LIQUID	1577		290490
CHLORODINITROBENZENES, SOLID	3441		290490
2-CHLOROETHANAL	2232		291300
2-Chloroethanol: see	1135		290559
CHLOROFORM	1888		290313
CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	2742		291590
CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S.	3277		291590
CHLOROMETHYL CHLOROFORMATE	2745		291590
CHLOROMETHYL ETHYL ETHER	2354		290919
3-CHLORO-4-METHYLPHENYL ISOCYANATE, LIQUID	2236		292910
3-CHLORO-4-METHYLPHENYL ISOCYANATE, SOLID	3428		292910
CHLORONITROANILINES	2237		292142
CHLORONITROBENZENES, LIQUID	3409		290490
CHLORONITROBENZENES, SOLID	1578		290490
CHLORONITROTOLUENES, LIQUID	2433		290490
CHLORONITROTOLUENES, SOLID	3457		290490
CHLOROPENTAFLUOROETHANE	1020		290344
CHLOROPHENOLATES, LIQUID	2904		290819
CHLOROPHENOLATES, SOLID	2905		290819
CHLOROPHENOLS, LIQUID	2021		290819
CHLOROPHENOLS, SOLID	2020		290819
CHLOROPHENYLTRICHLOROSILANE	1753		293100
CHLOROPICRIN	1580		290490
CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more than 2% chloropicrin	1581		290490
CHLOROPICRIN AND METHYL CHLORIDE MIXTURE	1582		290490
CHLOROPICRIN MIXTURE, N.O.S.	1583		290490
CHLOROPLATINIC ACID, SOLID	2507		281119
CHLOROPRENE, STABILIZED	1991		290329
1-CHLOROPROPANE	1278		290319
2-CHLOROPROPANE	2356		290319
3-CHLOROPROPANOL-1	2849		290559
2-CHLOROPROPENE	2456		290329
2-CHLOROPROPIONIC ACID	2511		291590
2-CHLOROPYRIDINE	2822		293339
CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.	2986		293100
CHLOROSILANES, CORROSIVE, N.O.S.	2987		293100
CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.	2985		293100
CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	3362		293100
CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.	3361		293100
CHLOROSILANES, WATER-REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.	2988		293100
CHLOROSULPHONIC ACID (with or without sulphur trioxide)	1754		280620
1-CHLORO-1,2,2,2-TETRAFLUOROETHANE	1021		290349

Name and description	UN No.	Note	NHM Code
CHLOROTOLUENES	2238		290369
4-CHLORO-o-TOLUIDINE HYDROCHLORIDE, SOLID	1579		292143
4-CHLORO-o-TOLUIDINE HYDROCHLORIDE SOLUTION	3410		292143
CHLOROTOLUIDINES, LIQUID	3429		292143
CHLOROTOLUIDINES, SOLID	2239		292143
1-CHLORO-2,2,2-TRIFLUOROETHANE	1983		290349
CHLOROTRIFLUOROMETHANE	1022		290341
CHLOROTRIFLUOROMETHANE AND TRIFLUOROMETHANE AZEOTROPIC MIXTURE with approximately 60% chlorotrifluoromethane	2599		382471
CHROMIC ACID SOLUTION	1755		281910
CHROMIC FLUORIDE, SOLID	1756		282619
CHROMIC FLUORIDE SOLUTION	1757		282619
Chromium (VI) dichloride dioxide: see	1758		282749
Chromium (III) fluoride, solid: see	1756		282619
CHROMIUM NITRATE	2720		283429
CHROMIUM OXYCHLORIDE	1758		282749
CHROMIUM TRIOXIDE, ANHYDROUS	1463		281910
CHROMOSULPHURIC ACID	2240		280700
Chrysotile: see	2590		252490
Cinene: see	2052		290219
Cinnamene: see	2055		290250
Cinnamol: see	2055		290250
CLINICAL WASTE, UNSPECIFIED, N.O.S.	3291		382530
COAL GAS, COMPRESSED	1023		270500
COAL TAR DISTILLATES, FLAMMABLE	1136		270799
COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining)	1139		3208++
COBALT NAPHTHENATES, POWDER	2001		291829
COBALT RESINATE, PRECIPITATED	1318		380620
COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	0382		360300
COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	0383		360300
COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	0384		360300
COMPONENTS, EXPLOSIVE TRAIN, N.O.S.	0461		360300
COMPRESSED GAS, FLAMMABLE, N.O.S.	1954		+++++
COMPRESSED GAS, N.O.S.	1956		+++++
COMPRESSED GAS, OXIDIZING, N.O.S.	3156		+++++
COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.	3304		+++++
COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	3305		+++++
COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.	1953		+++++
COMPRESSED GAS, TOXIC, N.O.S.	1955		+++++
COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	3306		+++++
COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.	3303		+++++
CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge	0248		930690
CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge	0249		930690
COPPER ACETOARSENITE	1585		294200
COPPER ARSENITE	1586		284290
COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	2776		380892
COPPER BASED PESTICIDE, LIQUID, TOXIC	3010		380892
COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	3009		380892
COPPER BASED PESTICIDE, SOLID, TOXIC	2775		380892
COPPER CHLORATE	2721		282919
COPPER CHLORIDE	2802		282739
COPPER CYANIDE	1587		283719
COPRA	1363		120300
CORD, DETONATING, flexible	0065		360300
CORD, DETONATING, flexible	0289		360300
CORD, DETONATING, metal clad	0102		360300
CORD (FUSE), DETONATING, metal clad	0290		360300
CORD, DETONATING, MILD EFFECT, metal clad	0104		360300
CORD, IGNITER	0066		360300
CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	3264		28++++
CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	3265		29++++
CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	3266		28++++
CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	3267		29++++
CORROSIVE LIQUID, FLAMMABLE, N.O.S.	2920		+++++
CORROSIVE LIQUID, N.O.S.	1760		+++++
CORROSIVE LIQUID, OXIDIZING, N.O.S.	3093		+++++
CORROSIVE LIQUID, SELF-HEATING, N.O.S.	3301		+++++
CORROSIVE LIQUID, TOXIC, N.O.S.	2922		+++++
CORROSIVE LIQUID, WATER-REACTIVE, N.O.S.	3094		+++++

Name and description	UN No.	Note	NHM Code
CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	3260		28++++
CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	3261		29++++
CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	3262		28++++
CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	3263		29++++
CORROSIVE SOLID, FLAMMABLE, N.O.S.	2921		+++++
CORROSIVE SOLID, N.O.S.	1759		+++++
CORROSIVE SOLID, OXIDIZING, N.O.S.	3084		+++++
CORROSIVE SOLID, SELF-HEATING, N.O.S.	3095		+++++
CORROSIVE SOLID, TOXIC, N.O.S.	2923		+++++
CORROSIVE SOLID, WATER-REACTIVE, N.O.S.	3096		+++++
COTTON WASTE, OILY	1364		5202++
COTTON, WET	1365		520100 520300
COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3024		380899
COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	3026		380899
COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	3025		380899
COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	3027		380899
CRESOLS, LIQUID	2076		290712
CRESOLS, SOLID	3455		290712
CRESYLIC ACID	2022		290712
Crocidolite, see:	2212		252410
CROTONALDEHYDE	1143		291219
CROTONALDEHYDE, STABILIZED	1143		291219
CROTONIC ACID, LIQUID	3472		291619
CROTONIC ACID, SOLID	2823		291619
CROTONYLENE	1144		290129
CUPRIETHYLENEDIAMINE SOLUTION	1761		292121
Cutback bitumens at or above 100 °C and below its flash-point: see	3257		271500
Cutback bitumens with a flash-point above 60 °C, at or above its flash-point: see	3256		271500
Cutback bitumens with a flash-point not greater than 60 °C: see	1999		271500
CUTTERS, CABLE, EXPLOSIVE	0070		930690
CYANIDE SOLUTION, N.O.S.	1935		283719
CYANIDES, INORGANIC, SOLID, N.O.S.	1588		283719
CYANOGEN	1026		292690
CYANOGEN BROMIDE	1889		285300
CYANOGEN CHLORIDE, STABILIZED	1589		285300
CYANURIC CHLORIDE	2670		293369
CYCLOBUTANE	2601		290219
CYCLOBUTYL CHLOROFORMATE	2744		291590
1,5,9-CYCLODODECATRIENE	2518		290219
CYCLOHEPTANE	2241		290219
CYCLOHEPTATRIENE	2603		290219
CYCLOHEPTENE	2242		290219
CYCLOHEXANE	1145		290211
CYCLOHEXANONE	1915		291422
CYCLOHEXENE	2256		290219
CYCLOHEXENYLTRICHLOROSILANE	1762		293100
CYCLOHEXYL ACETATE	2243		291539
CYCLOHEXYLAMINE	2357		292130
CYCLOHEXYL ISOCYANATE	2488		292910
CYCLOHEXYL MERCAPTAN	3054		293090
CYCLOHEXYLTRICHLOROSILANE	1763		293100
CYCLONITE AND CYCLOTETRAMETHYLENETETRAMINE MIXTURE, DESENSITIZED with not less than 10% phlegmatizer by mass	0391		293369
CYCLONITE AND CYCLOTETRAMETHYLENETETRAMINE MIXTURE, WETTED with not less than 15% water, by mass	0391		293369
CYCLONITE AND HMX MIXTURE, DESENSITIZED with not less than 10% phlegmatizer by mass	0391		293369
CYCLONITE AND HMX MIXTURE, WETTED with not less than 15% water, by mass	0391		293369
CYCLONITE AND OCTOGEN MIXTURE, DESENSITIZED with not less than 10% phlegmatizer by mass	0391		293369
CYCLONITE AND OCTOGEN MIXTURE, WETTED with not less than 15% water, by mass	0391		293369
CYCLONITE, DESENSITIZED	0483		293369
CYCLONITE, WETTED with not less than 15% water, by mass	0072		293369
CYCLOOCTADIENE PHOSPHINES	2940		293100
CYCLOOCTADIENES	2520		290219
CYCLOOCTATETRAENE	2358		290219
CYCLOPENTANE	1146		290219
CYCLOPENTANOL	2244		290619
CYCLOPENTANONE	2245		291429
CYCLOPENTENE	2246		290219
CYCLOPROPANE	1027		290219

Name and description	UN No.	Note	NHM Code
CYCLOTETRAMETHYLENETETRANITRAMINE, DESENSITIZED	0484		293369
CYCLOTETRAMETHYLENETETRANITRAMINE, WETTED with not less than 15% water, by mass	0226		293369
CYCLOTRIMETHYLENETRINITRAMINE AND CYCLOTETRAMETHYLENETETRANITRAMINE MIXTURE, DESENSITIZED with not less than 10% phlegmatizer by mass	0391		293369
CYCLOTRIMETHYLENETRINITRAMINE AND CYCLOTETRAMETHYLENETETRANITRAMINE MIXTURE, WETTED with not less than 15% water, by mass	0391		293369
CYCLOTRIMETHYLENETRINITRAMINE AND HMX MIXTURE, DESENSITIZED with not less than 10% phlegmatizer by mass	0391		293369
CYCLOTRIMETHYLENETRINITRAMINE AND HMX MIXTURE, WETTED with not less than 15% water, by mass	0391		293369
CYCLOTRIMETHYLENETRINITRAMINE AND OCTOGEN MIXTURE, DESENSITIZED with not less than 10% phlegmatizer by mass	0391		293369
CYCLOTRIMETHYLENETRINITRAMINE AND OCTOGEN MIXTURE, WETTED with not less than 15% water, by mass	0391		293369
CYCLOTRIMETHYLENETRINITRAMINE, DESENSITIZED	0483		293369
CYCLOTRIMETHYLENETRINITRAMINE, WETTED with not less than 15% water, by mass	0072		293369
CYMENES	2046		290270
Cymol: see	2046		290270
Dangerous goods in apparatus	3363	Exempt	8+****
Dangerous goods in machinery	3363	Exempt	8+****
DECABORANE	1868		285000
DECAHYDRONAPHTHALENE	1147		290219
Decalin: see	1147		290219
n-DECANE	2247		290110
DEFLAGRATING METAL SALTS OF AROMATIC NITRODERIVATIVES, N.O.S.	0132		290899
DESENSITIZED EXPLOSIVE, LIQUID, N.O.S.	3379		360200
DESENSITIZED EXPLOSIVE, SOLID, N.O.S.	3380		360200
DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	0360		360300
DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	0361		360300
DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting	0500		360300
DETONATORS FOR AMMUNITION	0073		360300
DETONATORS FOR AMMUNITION	0364		360300
DETONATORS FOR AMMUNITION	0365		360300
DETONATORS FOR AMMUNITION	0366		360300
DETONATORS, ELECTRIC for blasting	0030		360300
DETONATORS, ELECTRIC for blasting	0255		360300
DETONATORS, ELECTRIC for blasting	0456		360300
DETONATORS, NON-ELECTRIC for blasting	0029		360300
DETONATORS, NON-ELECTRIC for blasting	0267		360300
DETONATORS, NON-ELECTRIC for blasting	0455		360300
DEUTERIUM, COMPRESSED	1957		284590
DEVICES, SMALL, HYDROCARBON GAS POWERED with release device	3150		*****
DIACETONE ALCOHOL	1148		291440
DIALYLAMINE	2359		292119
DIALYL ETHER	2360		290919
4,4'-DIAMINODIPHENYLMETHANE	2651		292159
Diaminopropylamine: see	2269		292129
DI-n-AMYLAMINE	2841		292119
DIAZODINITROPHENOL, WETTED with not less than 40% water, or mixture of alcohol and water, by mass	0074	Prohibited	
DIBENZYL-DICHLOROSILANE	2434		293100
DIBORANE	1911		285000
1,2-DIBROMOBUTAN-3-ONE	2648		291470
DIBROMOCHLOROPROPANES	2872		290349
DIBROMODIFLUOROMETHANE	1941		290347
DIBROMOMETHANE	2664		290339
DI-n-BUTYLAMINE	2248		292119
DIBUTYLAMINOETHANOL	2873		292219
DIBUTYL ETHERS	1149		290919
DICHLOROACETIC ACID	1764		291540
1,3-DICHLOROACETONE	2649		291470
DICHLOROACETYL CHLORIDE	1765		291590
DICHLOROANILINES, LIQUID	1590		292142
DICHLOROANILINES, SOLID	3442		292142
o-DICHLOROBENZENE	1591		290361
2,2'-DICHLORODIETHYL ETHER	1916		290919
DICHLORODIFLUOROMETHANE	1028		290342
DICHLORODIFLUOROMETHANE AND 1,1-DIFLUOROETHANE AZEOTROPIC MIXTURE with approximately 74% dichlorodifluoromethane	2602		382479
DICHLORODIMETHYL ETHER, SYMMETRICAL	2249	Prohibited	
1,1-DICHLOROETHANE	2362		290319

Name and description	UN No.	Note	NHM Code
1,2-DICHLOROETHYLENE	1150		290329
DICHLOROFUOROMETHANE	1029		290349
alpha-Dichlorohydrin: see	2750		290559
DICHLOROISOCYANURIC ACID SALTS	2465		293369
DICHLOROISOCYANURIC ACID, DRY	2465		293369
DICHLOROISOPROPYL ETHER	2490		290919
DICHLOROMETHANE	1593		290312
1,1-DICHLORO-1-NITROETHANE	2650		290490
DICHLOROPENTANES	1152		290319
DICHLOROPHENYL ISOCYANATES	2250		292910
DICHLOROPHENYLTRICHLOROSILANE	1766		293100
1,2-DICHLOROPROPANE	1279		290319
1,3-DICHLOROPROPANOL-2	2750		290559
DICHLOROPROPENES	2047		290329
DICHLOROSILANE	2189		281210
1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE	1958		290344
DICYCLOHEXYLAMINE	2565		292130
DICYCLOHEXYLAMMONIUM NITRITE	2687		292130
DICYCLOPENTADIENE	2048		290219
1,2-DI-(DIMETHYLAMINO) ETHANE	2372		292129
DIDYMIUM NITRATE	1465		283429
DIESEL FUEL	1202		274100
1,2-Diethoxyethane: see	1153		290919
DIETHOXYMETHANE	2373		291100
3,3-DIETHOXYPROPENE	2374		291100
DIETHYLAMINE	1154		292119
2-DIETHYLAMINOETHANOL	2686		292219
3-DIETHYLAMINOPROPYLAMINE	2684		292129
N,N-DIETHYLANILINE	2432		292142
DIETHYLBENZENE	2049		290290
DIETHYL CARBONATE	2366		292090
DIETHYLDICHLOROSILANE	1767		293100
Diethylenediamine: see	2579		293359
DIETHYLENEGLYCOL DINITRATE, DESENSITIZED with not less than 25% non-volatile, water-insoluble phlegmatizer, by mass	0075		292090
DIETHYLENETRIAMINE	2079		292129
DIETHYL ETHER	1155		290911
N,N-DIETHYLETHYLENEDIAMINE	2685		292129
DIETHYL KETONE	1156		291419
DIETHYL SULPHATE	1594		292090
DIETHYL SULPHIDE	2375		293090
DIETHYLTHIOPHOSPHORYL CHLORIDE	2751		292019
1,1-DIFLUOROETHANE	1030		290339
1,1-DIFLUOROETHYLENE	1959		290339
DIFLUOROMETHANE	3252		290339
Difluoromethane, pentafluoroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 10% difluoromethane and 70% pentafluoroethane: see	3339		382474
Difluoromethane, pentafluoroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 20% difluoromethane and 40% pentafluoroethane: see	3338		382474
Difluoromethane, pentafluoroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 23%	3340		382474
DIFLUOROPHOSPHORIC ACID, ANHYDROUS	1768		281119
2,3-DIHYDROPYRAN	2376		293299
DIISOBUTYLAMINE	2361		292119
DIISOBUTYLENE, ISOMERIC COMPOUNDS	2050		290129
DIISOBUTYL KETONE	1157		291419
DIISOCTYL ACID PHOSPHATE	1902		291990
DIISOPROPYLAMINE	1158		292119
DIISOPROPYL ETHER	1159		290919
DIKETENE, STABILIZED	2521		293229
1,1-DIMETHOXYETHANE	2377		291100
1,2-DIMETHOXYETHANE	2252		290919
DIMETHYLAMINE, ANHYDROUS	1032		292111
DIMETHYLAMINE AQUEOUS SOLUTION	1160		292111
2-DIMETHYLAMINOACETONITRILE	2378		292690
2-DIMETHYLAMINOETHANOL	2051		292219
2-DIMETHYLAMINOETHYL ACRYLATE	3302		292219
2-DIMETHYLAMINOETHYL METHACRYLATE	2522		292219
N,N-DIMETHYLANILINE	2253		292142
2,3-DIMETHYLBUTANE	2457		290110

Name and description	UN No	Note	NHM Code
1,3-DIMETHYLBUTYLAMINE	2379		292119
DIMETHYLCARBAMOYL CHLORIDE	2262		292419
DIMETHYL CARBONATE	1161		292090
DIMETHYLCYCLOHEXANES	2263		290219
N,N-DIMETHYLCYCLOHEXYLAMINE	2264		292130
DIMETHYLDICHLOROSILANE	1162		293100
DIMETHYLDIETHOXSILANE	2380		293100
DIMETHYLDIOXANES	2707		293299
DIMETHYL DISULPHIDE	2381		293090
DIMETHYL ETHER	1033		290919
N,N-DIMETHYLFORMAMIDE	2265		292419
DIMETHYLHYDRAZINE, SYMMETRICAL	2382		292800
DIMETHYLHYDRAZINE, UNSYMMETRICAL	1163		292800
2,2-DIMETHYLPROPANE	2044		290110
DIMETHYL-N-PROPYLAMINE	2266		292119
DIMETHYL SULPHATE	1595		292090
DIMETHYL SULPHIDE	1164		293090
DIMETHYL THIOPHOSPHORYL CHLORIDE	2267		292019
DINGU	0489		293399
DINITROANILINES	1596		292142
DINITROBENZENES, LIQUID	1597		290420
DINITROBENZENES, SOLID	3443		290420
DINITRO- <i>o</i> -CRESOL	1598		290899
DINITROGEN TETROXIDE	1067		281129
DINITROGLYCOURIL	0489		293399
DINITROPHENOL, dry or wetted with less than 15% water, by mass	0076		290899
DINITROPHENOL SOLUTION	1599		290899
DINITROPHENOL, WETTED with not less than 15% water, by mass	1320		290899
DINITROPHENOLATES, alkali metals, dry or wetted with less than 15% water, by mass	0077		290899
DINITROPHENOLATES, WETTED with not less than 15% water, by mass	1321		290899
DINITRORESORCINOL, dry or wetted with less than 15% water, by mass	0078		290899
DINITRORESORCINOL, WETTED with not less than 15% water, by mass	1322		290899
DINITROSOBENZENE	0406		290420
DINITROTOLUENES, LIQUID	2038		290420
DINITROTOLUENES, MOLTEN	1600		290420
DINITROTOLUENES, SOLID	3454		290420
DIOXANE	1165		293299
DIOXOLANE	1166		293299
DIPENTENE	2052		290219
DIPHENYLAMINE CHLOROARSINE	1698		293499
DIPHENYLCHLOROARSINE, LIQUID	1699		293100
DIPHENYLCHLOROARSINE, SOLID	3450		293100
DIPHENYLDICHLOROSILANE	1769		293100
DIPHENYLMETHYL BROMIDE	1770		290369
DIPICRYLAMINE	0079		292144
DIPICRYL SULPHIDE, dry or wetted with less than 10% water, by mass	0401		290899
DIPICRYL SULPHIDE, WETTED with not less than 10% water, by mass	2852		290899
DIPROPYLAMINE	2383		292119
Dipropylene triamine: see	2269		292129
DI-n-PROPYL ETHER	2384		290919
DIPROPYL KETONE	2710		291419
DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	1903		380894
DISINFECTANT, LIQUID, TOXIC, N.O.S.	3142		380894
DISINFECTANT, SOLID, TOXIC, N.O.S.	1601		380894
DISODIUM TRIOXOSILICATE	3253		283911
DIVINYL ETHER, STABILIZED	1167		290919
DODECYLTRICHLOROSILANE	1771		293100
Drum or barrel lining: see	1139		3208++
Dry ice	1845	Exempt	281121
DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	2801		+++++
DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	1602		+++++
DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	3147		+++++
DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	3143		+++++
DYE, LIQUID, CORROSIVE, N.O.S.	2801		320+++
DYE, LIQUID, TOXIC, N.O.S.	1602		320+++
DYE, SOLID, CORROSIVE, N.O.S.	3147		320+++
DYE, SOLID, TOXIC, N.O.S.	3143		320+++
Electric storage batteries: see	2794		8507++
Electric storage batteries: see	2795		8507++
Electric storage batteries: see	2800		8507++

Name and description	UN No.	Note	NHM Code
Electric storage batteries: see	3028		8507++
ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash-point above 60 °C, at or above its flash-point	3256		+++++
ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100 °C and below its flash-point (including molten metals, molten salts, etc.)	3257		+++++
ELEVATED TEMPERATURE SOLID, N.O.S., at or above 240 °C	3258		+++++
EMPTY BATTERY-WAGON		4.3.2.4	992+++
EMPTY DEMOUNTABLE TANK		4.3.2.4	+++++
EMPTY IBC		4.1.1.11	+++++
EMPTY INTERMEDIATE BULK CONTAINER (IBC)		4.1.1.11	+++++
EMPTY LARGE CONTAINER		7.3	993+++
EMPTY LARGE PACKAGING		4.1.1.11	+++++
EMPTY MEGC		4.3.2.4	993+++
EMPTY PACKAGING		4.1.1.11	+++++
EMPTY PORTABLE TANK		4.2.1.5, 4.2.2.6	993+++
EMPTY RECEPTACLE		4.1.6	+++++
EMPTY SMALL CONTAINER		7.3	+++++
EMPTY TANK-CONTAINER		4.3.2.4	993+++
EMPTY TANK WAGON		4.3.2.4	992+++
EMPTY WAGON		7.3	992+++
Enamel: see	1263		3208++
Enamel: see	3066		3208++
Enamel: see	3469		3208++
Enamel: see	3470		3208++
Engine, internal combustion, flammable gas powered or engine, internal combustion, flammable liquid powered or vehicle, flammable gas powered or vehicle, flammable liquid powered or engine, fuel cell, flammable gas powered or engine, fuel cell, flammable liquid powered or vehicle, fuel cell, flammable gas powered or vehicle, fuel cell, flammable liquid powered	3166	Exempt	8407++ 870+++
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	3082		+++++
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	3077		+++++
EPIBROMOHYDRIN	2558		291090
EPICHLOROHYDRIN	2023		291030
1,2-EPOXY-3-ETHOXYPROPANE	2752		291090
ESTERS, N.O.S.	3272		29++++
ETHANE	1035		290110
ETHANE, REFRIGERATED LIQUID	1961		290110
ETHANOL	1170		220710 220720
ETHANOL AND GASOLINE MIXTURE, with more than 10% ethanol	3475		272200 272400
ETHANOL AND MOTOR SPIRIT MIXTURE, with more than 10% ethanol	3475		272200 272400
ETHANOL AND PETROL MIXTURE, with more than 10% ethanol	3475		272200 272400
ETHANOL SOLUTION	1170		220890
ETHANOLAMINE	2491		292211
ETHANOLAMINE SOLUTION	2491		292211
ETHERS, N.O.S.	3271		2909++
2-Ethoxyethanol: see	1171		290944
2-Ethoxyethyl acetate: see	1172		291539
ETHYL ACETATE	1173		291531
ETHYLACETYLENE, STABILIZED	2452		290129
ETHYL ACRYLATE, STABILIZED	1917		291612
ETHYL ALCOHOL	1170		220710 220720
ETHYL ALCOHOL SOLUTION	1170		220890
ETHYLAMINE	1036		292119
ETHYLAMINE, AQUEOUS SOLUTION with not less than 50% but not more than 70% ethylamine	2270		292119
ETHYL AMYL KETONE	2271		291419
N-ETHYLANILINE	2272		292142
2-ETHYLANILINE	2273		292149
ETHYLBENZENE	1175		290260
N-ETHYL-N-BENZYLANILINE	2274		292149
N-ETHYLBENZYL TOLUIDINES, LIQUID	2753		292149
N-ETHYLBENZYL TOLUIDINES, SOLID	3460		292149
ETHYL BORATE	1176		292090
ETHYL BROMIDE	1891		290339
ETHYL BROMOACETATE	1603		291590
2-ETHYLBUTANOL	2275		290519

Name and description	UN No.	Note	NHM Code
2-ETHYLBUTYL ACETATE	1177		291539
ETHYL BUTYL ETHER	1179		290919
2-ETHYLBUTYRALDEHYDE	1178		291219
ETHYL BUTYRATE	1180		291560
ETHYL CHLORIDE	1037		290311
ETHYL CHLOROACETATE	1181		291540
ETHYL CHLOROFORMATE	1182		291590
ETHYL 2-CHLOROPROPIONATE	2935		291590
ETHYL CHLOROTHIOFORMATE	2826		293090
ETHYL CROTONATE	1862		291619
ETHYLDICHLOROARSINE	1892		293100
ETHYLDICHLOROSILANE	1183		293100
ETHYLENE, ACETYLENE AND PROPYLENE MIXTURE, REFRIGERATED LIQUID containing at least 71.5% ethylene with not more than 22.5% acetylene and not more than 6% propylene	3138		271119
ETHYLENE	1962		271114 290121
ETHYLENE CHLOROHYDRIN	1135		290559
ETHYLENEDIAMINE	1604		292121
ETHYLENE DIBROMIDE	1605		290331
ETHYLENE DICHLORIDE	1184		290315
ETHYLENE GLYCOL DIETHYL ETHER	1153		290944
ETHYLENE GLYCOL MONOETHYL ETHER	1171		290944
ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	1172		291539
ETHYLENE GLYCOL MONOMETHYL ETHER	1188		290944
ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	1189		291539
ETHYLENEIMINE, STABILIZED	1185		293399
ETHYLENE OXIDE	1040		291010
ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87% ethylene oxide	3300		291010 281121
ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than 87% ethylene oxide	1041		291010 281121
ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with not more than 9% ethylene oxide	1952		291010 281121
ETHYLENE OXIDE AND CHLOROTETRAFLUOROETHANE MIXTURE with not more than 8.8% ethylene oxide	3297		291010 290342
ETHYLENE OXIDE AND DICHLORODIFLUOROMETHANE MIXTURE with not more than 12.5% ethylene oxide	3070		291010 290342
ETHYLENE OXIDE AND PENTAFLUOROETHANE MIXTURE with not more than 7.9% ethylene oxide	3298		291010 290330
ETHYLENE OXIDE AND PROPYLENE OXIDE MIXTURE, not more than 30% ethylene oxide	2983		291010 291020
ETHYLENE OXIDE AND TETRAFLUOROETHANE MIXTURE with not more than 5.6% ethylene oxide	3299		291010 290330
ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50 °C	1040		291010
ETHYLENE, REFRIGERATED LIQUID	1038		271114 290121
ETHYL ETHER	1155		290911
ETHYL FLUORIDE	2453		290339
ETHYL FORMATE	1190		291513
2-ETHYLHEXYLAMINE	2276		292119
2-ETHYLHEXYL CHLOROFORMATE	2748		291590
ETHYL ISOBUTYRATE	2385		291560
ETHYL ISOCYANATE	2481		292910
ETHYL LACTATE	1192		291811
ETHYL MERCAPTAN	2363		293090
ETHYL METHACRYLATE, STABILIZED	2277		291614
ETHYL METHYL ETHER	1039		290919
ETHYL METHYL KETONE	1193		291412
ETHYL NITRITE SOLUTION	1194		292090
ETHYL ORTHOFORMATE	2524		291590
ETHYL OXALATE	2525		291711
ETHYLPHENYLDICHLOROSILANE	2435		293100
1-ETHYLPYPERIDINE	2386		293339
ETHYL PROPIONATE	1195		291550
ETHYL PROPYL ETHER	2615		290919
N-ETHYLTOLUIDINES	2754		292143
ETHYLTRICHLOROSILANE	1196		293100
EXPLOSIVE, BLASTING, TYPE A	0081		360100
EXPLOSIVE, BLASTING, TYPE B	0082		360200
EXPLOSIVE, BLASTING, TYPE B	0331		360200

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EXPLOSIVE, BLASTING, TYPE C	0083		360200
EXPLOSIVE, BLASTING, TYPE D	0084		360200
EXPLOSIVE, BLASTING, TYPE E	0241		360200
EXPLOSIVE, BLASTING, TYPE E	0332		360200
EXTRACTS, AROMATIC, LIQUID	1169		3301++
EXTRACTS, FLAVOURING, LIQUID	1197		130219
FABRICS, ANIMAL, N.O.S. with oil	1373		5+++++
FABRICS IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.	1353		590390
FABRICS, SYNTHETIC, N.O.S. with oil	1373		5+++++
FABRICS, VEGETABLE, N.O.S. with oil	1373		5+++++
FERRIC ARSENATE	1606		284290
FERRIC ARSENITE	1607		284290
FERRIC CHLORIDE, ANHYDROUS	1773		282739
FERRIC CHLORIDE SOLUTION	2582		282739
FERRIC NITRATE	1466		283429
FERROCERIUM	1323		360690
FERROSILICON with 30% or more but less than 90% silicon	1408		72022+
FERROUS ARSENATE	1608		284290
FERROUS METAL BORINGS, SHAVINGS, TURNINGS or CUTTINGS in a form liable to self-heating	2793		720441
FERTILIZER AMMONIATING SOLUTION with free ammonia	1043		281420 310510
Fibres, animal burnt, wet or damp	1372	Exempt	5+++++
FIBRES, ANIMAL, N.O.S. with oil	1373		5+++++
FIBRES IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.	1353		5+++++
FIBRES, SYNTHETIC, N.O.S. with oil	1373		5+++++
Fibres, vegetable burnt, wet or damp	1372	Exempt	5+++++
Fibres, vegetable, dry	3360	Exempt	5+++++
FIBRES, VEGETABLE, N.O.S. with oil	1373		5+++++
FILMS, NITROCELLULOSE BASE, gelatin coated, except scrap	1324		3706++
FIRE EXTINGUISHER CHARGES, corrosive liquid	1774		381300
FIRE EXTINGUISHERS with compressed or liquefied gas	1044		842410
FIRELIGHTERS, SOLID with flammable liquid	2623		360690
FIREWORKS	0333	2.2.1.1.7	360410
FIREWORKS	0334	2.2.1.1.7	360410
FIREWORKS	0335	2.2.1.1.7	360410
FIREWORKS	0336	2.2.1.1.7	360410
FIREWORKS	0337		360410
FIRST AID KIT	3316		382200
Fish meal, stabilized	2216	Exempt	230120
FISH MEAL, UNSTABILIZED	1374		230120
Fish scrap, stabilized	2216	Exempt	230120
FISH SCRAP, UNSTABILIZED	1374		230120
FLAMMABLE LIQUID, CORROSIVE, N.O.S.	2924		+++++
FLAMMABLE LIQUID, N.O.S.	1993		+++++
FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3286		+++++
FLAMMABLE LIQUID, TOXIC, N.O.S.	1992		+++++
FLAMMABLE SOLID, CORROSIVE, INORGANIC, N.O.S.	3180		28++++
FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.	2925		29++++
FLAMMABLE SOLID, INORGANIC, N.O.S.	3178		28++++
FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	3176		29++++
FLAMMABLE SOLID, ORGANIC, N.O.S.	1325		29++++
FLAMMABLE SOLID, OXIDIZING, N.O.S.	3097	Prohibited	
FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.	3179		28++++
FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.	2926		29++++
FLARES, AERIAL	0093		360490
FLARES, AERIAL	0403		360490
FLARES, AERIAL	0404		360490
FLARES, AERIAL	0420		360490
FLARES, AERIAL	0421		360490
FLARES, SURFACE	0092		360490
FLARES, SURFACE	0418		360490
FLARES, SURFACE	0419		360490
FLASH POWDER	0094		360490
FLASH POWDER	0305		360490
FLUORINE, COMPRESSED	1045		280130
FLUOROACETIC ACID	2642		291590
FLUOROANILINES	2941		292142
FLUOROBENZENE	2387		290369
FLUOROBORIC ACID	1775		281119
FLUOROPHOSPHORIC ACID, ANHYDROUS	1776		281119

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FLUOROSILICATES, N.O.S.	2856		282690
FLUOROSILICIC ACID	1778		281119
FLUOROSULPHONIC ACID	1777		281119
FLUOROTOLUENES	2388		290369
FORMALDEHYDE SOLUTION with not less than 25% formaldehyde	2209		291211
FORMALDEHYDE SOLUTION, FLAMMABLE	1198		291211
FORMIC ACID with more than 85% acid by mass	1779		291511
FORMIC ACID with not less than 5% but not more than 85% acid by mass	3412		291511
FRACTURING DEVICES, EXPLOSIVE without detonator, for oil wells	0099		930690
FUEL, AVIATION, TURBINE ENGINE	1863		+++++
FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, containing corrosive substances	3477		847+++
FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, containing flammable liquids	3473		847+++
FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, containing hydrogen in metal hydride	3479		847+++
FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, containing liquefied flammable gas	3478		847+++
FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT, containing water-reactive substances	3476		847+++
FUEL CELL CARTRIDGES, containing corrosive substances	3477		8473++
FUEL CELL CARTRIDGES, containing flammable liquids	3473		8473++
FUEL CELL CARTRIDGES, containing hydrogen in metal hydride	3479		8473++
FUEL CELL CARTRIDGES, containing liquefied flammable gas	3478		8473++
FUEL CELL CARTRIDGES, containing water-reactive substances	3476		8473++
FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing corrosive substances	3477		847+++
FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing flammable liquids	3473		847+++
FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing hydrogen in metal hydride	3479		847+++
FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing liquefied flammable gas	3478		847+++
FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing water-reactive substances	3476		847+++
FUMARYL CHLORIDE	1780		291719
FUMIGATED CARGO TRANSPORT UNIT	3359		+++++
FURALDEHYDES	1199		293212
FURAN	2389		293219
FURFURYL ALCOHOL	2874		293213
FURFURYLAMINE	2526		293219
FUSE, DETONATING, metal clad	0102		360300
FUSE, DETONATING, metal clad	0290		360300
FUSE, DETONATING, MILD EFFECT, metal clad	0104		360300
FUSE, IGNITER, tubular, metal clad	0103		360300
FUSE, NON-DETONATING	0101		360300
FUSEL OIL	1201		290519
FUSE, SAFETY	0105		360300
FUZES, DETONATING	0106		360300
FUZES, DETONATING	0107		360300
FUZES, DETONATING	0257		360300
FUZES, DETONATING	0367		360300
FUZES, DETONATING with protective features	0408		360300
FUZES, DETONATING with protective features	0409		360300
FUZES, DETONATING with protective features	0410		360300
FUZES, IGNITING	0316		360300
FUZES, IGNITING	0317		360300
FUZES, IGNITING	0368		360300
GALLIUM	2803		811292
GAS CARTRIDGES without a release device, non-refillable	2037		+++++
GAS OIL	1202		274200
GASOLINE	1203		272+00
GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.	3312		+++++
GAS, REFRIGERATED LIQUID, N.O.S.	3158		+++++
GAS, REFRIGERATED LIQUID, OXIDIZING, N.O.S.	3311		+++++
GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, N.O.S., not refrigerated liquid	3167		+++++
GAS SAMPLE, NON-PRESSURIZED, TOXIC, FLAMMABLE, N.O.S., not refrigerated liquid	3168		+++++
GAS SAMPLE, NON-PRESSURIZED, TOXIC, N.O.S., not refrigerated liquid	3169		+++++
GENETICALLY MODIFIED MICROORGANISMS	3245		300290
GENETICALLY MODIFIED ORGANISMS	3245		+++++
GERMANE	2192		285000
Germanium hydride: see	2192		285000
Glycer-1,3-dichlorohydrin: see	2750		290559
GLYCEROL alpha-MONOCHELOHYDRIN	2689		290559
GLYCIDALDEHYDE	2622		291249
GRENADES, hand or rifle, with bursting charge	0284		930690
GRENADES, hand or rifle, with bursting charge	0285		930690
GRENADES, hand or rifle, with bursting charge	0292		930690
GRENADES, hand or rifle, with bursting charge	0293		930690
GRENADES, PRACTICE, hand or rifle	0110		930690

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GRENADES, PRACTICE, hand or rifle	0318		930690
GRENADES, PRACTICE, hand or rifle	0372		930690
GRENADES, PRACTICE, hand or rifle	0452		930690
GUANIDINE NITRATE	1467		292529
GUANYLNITROSAMINO GUANYLIDENE HYDRAZINE, WETTED with not less than 30% water, by mass	0113	Prohibited	
GUANYLNITROSAMINO GUANYL TETRAZENE, WETTED with not less than 30% water, or mixture of alcohol and water, by mass	0114	Prohibited	
GUNPOWDER, COMPRESSED	0028		360200
GUNPOWDER, granular or as a meal	0027		360200
GUNPOWDER, IN PELLETS	0028		360200
HAFNIUM POWDER, DRY	2545		811291
HAFNIUM POWDER, WETTED with not less than 25% water	1326		811291
Hay	1327	Exempt	121490
HEATING OIL, LIGHT	1202		274300
HELIUM, COMPRESSED	1046		280429
HELIUM, REFRIGERATED LIQUID	1963		280429
HEPTAFLUOROPROPANE	3296		290339
n-HEPTALDEHYDE	3056		291219
HEPTANES	1206		290110
n-HEPTENE	2278		290129
HEXACHLOROACETONE	2661		291470
HEXACHLOROBENZENE	2729		290362
HEXACHLOROBUTADIENE	2279		290329
HEXACHLOROCYCLOPENTADIENE	2646		290359
HEXACHLOROPHENE	2875		290819
HEXADECYLTRICHLOROSILANE	1781		293100
HEXADIENES	2458		290129
HEXAETHYL TETRAPHOSPHATE	1611		291990
HEXAETHYL TETRAPHOSPHATE AND COMPRESSED GAS MIXTURE	1612		291990
HEXAFLUOROACETONE	2420		291470
HEXAFLUOROACETONE HYDRATE, LIQUID	2552		291470
HEXAFLUOROACETONE HYDRATE, SOLID	3436		291470
HEXAFLUOROETHANE	2193		290339
HEXAFLUOROPHOSPHORIC ACID	1782		281119
HEXAFLUOROPROPYLENE	1858		290339
HEXALDEHYDE	1207		291219
HEXAMETHYLENEDIAMINE, SOLID	2280		292122
HEXAMETHYLENEDIAMINE SOLUTION	1783		292122
HEXAMETHYLENE DIISOCYANATE	2281		292910
HEXAMETHYLENEIMINE	2493		293399
HEXAMETHYLENETETRAMINE	1328		293399
HEXANES	1208		290110
HEXANITRODIPHENYLAMINE	0079		292144
HEXANITROSTILBENE	0392		290420
HEXANOLS	2282		290519
1-HEXENE	2370		290129
HEXOGEN AND CYCLOTETRAMETHYLENETETRANITRAMINE MIXTURE, DESENSITIZED with not less than 10% phlegmatizer by mass	0391		293369
HEXOGEN AND CYCLOTETRAMETHYLENETETRANITRAMINE MIXTURE, WETTED with not less than 15% water, by mass	0391		293369
HEXOGEN AND HMX MIXTURE, DESENSITIZED with not less than 10% phlegmatizer by mass	0391		293369
HEXOGEN AND HMX MIXTURE, WETTED with not less than 15% water, by mass	0391		293369
HEXOGEN AND OCTOGEN MIXTURE, DESENSITIZED with not less than 10% phlegmatizer by mass	0391		293369
HEXOGEN AND OCTOGEN MIXTURE, WETTED with not less than 15% water, by mass	0391		293369
HEXOGEN, DESENSITIZED	0483		293369
HEXOGEN, WETTED with not less than 15% water, by mass	0072		293369
HEXOLITE, dry or wetted with less than 15% water, by mass	0118		360200
HEXOTOL, dry or wetted with less than 15% water, by mass	0118		360200
HEXOTONAL	0393		360200
HEXYL	0079		292144
HEXYLTRICHLOROSILANE	1784		293100
HMX, DESENSITIZED	0484		293369
HMX, WETTED with not less than 15% water, by mass	0226		293369
HYDRAZINE AQUEOUS SOLUTION, FLAMMABLE with more than 37% hydrazine, by mass	3484		282510
HYDRAZINE AQUEOUS SOLUTION, with more than 37% hydrazine by mass	2030		282510
HYDRAZINE, ANHYDROUS	2029		282510
HYDRAZINE, AQUEOUS SOLUTION with not more than 37% hydrazine, by mass	3293		282510
HYDRIODIC ACID	1787		281119
HYDROBROMIC ACID	1788		281119
HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S.	1964		271129

Name and description	UN No.	Note	NHM Code
HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.	1965		271119 271113
HYDROCARBON GAS REFILLS FOR SMALL DEVICES with release device	3150		+++++
HYDROCARBONS, LIQUID, N.O.S.	3295		290+++
HYDROCHLORIC ACID	1789		280610
HYDROCYANIC ACID, AQUEOUS SOLUTION with not more than 20% hydrogen cyanide	1613		281119
HYDROFLUORIC ACID	1790		281111
HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE	1786		281119
HYDROGEN AND METHANE MIXTURE, COMPRESSED	2034		271129
Hydrogen arsenide: see	2188		285000
HYDROGEN BROMIDE, ANHYDROUS	1048		281119
HYDROGEN CHLORIDE, ANHYDROUS	1050		280610
HYDROGEN CHLORIDE, REFRIGERATED LIQUID	2186	Prohibited	
HYDROGEN, COMPRESSED	1049		280410
HYDROGEN CYANIDE, AQUEOUS SOLUTION with not more than 20% hydrogen cyanide	1613		281119
HYDROGEN CYANIDE, SOLUTION IN ALCOHOL with not more than 45% hydrogen cyanide	3294		281119
HYDROGEN CYANIDE, STABILIZED containing less than 3% water	1051		281119
HYDROGEN CYANIDE, STABILIZED, containing less than 3% water and absorbed in a porous inert	1614		281119
HYDROGENDIFLUORIDES, SOLID, N.O.S.	1740		282619
HYDROGENDIFLUORIDES, SOLUTION, N.O.S.	3471		282619
HYDROGEN FLUORIDE, ANHYDROUS	1052		281111
HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM	3468		285000
HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM CONTAINED IN EQUIPMENT	3468		285000
HYDROGEN IN A METAL HYDRIDE STORAGE SYSTEM PACKED WITH EQUIPMENT	3468		285000
HYDROGEN IODIDE, ANHYDROUS	2197		281119
HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5% peroxyacetic acid, STABILIZED	3149		284700
HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)	2014		284700
HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 8% but less than 20% hydrogen peroxide (stabilized as necessary)	2984		284700
HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED with more than 60% hydrogen peroxide and not more than 70% hydrogen peroxide	2015		284700
HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED with more than 70% hydrogen peroxide	2015		284700
HYDROGEN, REFRIGERATED LIQUID	1966		280410
HYDROGEN SELENIDE, ANHYDROUS	2202		281119
Hydrogen silicide: see	2203		285000
HYDROGEN SULPHIDE	1053		281119
1-HYDROXYBENZOTRIAZOLE, ANHYDROUS, dry or wetted with less than 20% water, by mass	0508		293390
1-HYDROXYBENZOTRIAZOLE MONOHYDRATE	3474		293390
3-Hydroxybutan-2-one: see	2621		291440
HYDROXYLAMINE SULPHATE	2865		282510
1-Hydroxy-3-methyl-2-penten-4-yne: see	2705		290529
HYPOCHLORITES, INORGANIC, N.O.S.	3212		282890
HYPOCHLORITE SOLUTION	1791		282890
IGNITERS	0121		360300
IGNITERS	0314		360300
IGNITERS	0315		360300
IGNITERS	0325		360300
IGNITERS	0454		360300
3,3'-IMINODIPROPYLAMINE	2269		292129
INFECTIOUS SUBSTANCE, AFFECTING ANIMALS only	2900		300+++
INFECTIOUS SUBSTANCE, AFFECTING HUMANS	2814		300+++
INSECTICIDE GAS, FLAMMABLE, N.O.S.	3354		3808++
INSECTICIDE GAS, N.O.S.	1968		3808++
INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S.	3355		3808++
INSECTICIDE GAS, TOXIC, N.O.S.	1967		3808++
IODINE	3495		280120
IODINE MONOCHLORIDE, LIQUID	3498		281210
IODINE MONOCHLORIDE, SOLID	1792		281210
IODINE PENTAFLUORIDE	2495		281290
2-IODOBUTANE	2390		290339
IODOMETHYLPROPANES	2391		290339
IODOPROPANES	2392		290339
I.p.d.i.: see	2290		292910
Iron (III) chloride, anhydrous: see	1773		282739
Iron chloride, anhydrous: see	1773		282739
IRON OXIDE, SPENT obtained from coal gas purification	1376		282110
IRON PENTACARBONYL	1994		293100
Iron perchloride, anhydrous, see	1773		282739

Name and description	UN No.	Note	NHM Code
Iron sesquichloride, anhydrous, see	1773		282739
IRON SPONGE, SPENT obtained from coal gas purification	1376		282110
ISOBUTANE	1969		271113
ISOBUTANOL	1212		290514
ISOBUTYL ACETATE	1213		291539
ISOBUTYL ACRYLATE, STABILIZED	2527		291612
ISOBUTYL ALCOHOL	1212		290514
ISOBUTYL ALDEHYDE	2045		291219
ISOBUTYLAMINE	1214		292119
ISOBUTYLENE	1055		290123
ISOBUTYL FORMATE	2393		291513
ISOBUTYL ISOBUTYRATE	2528		291560
ISOBUTYL ISOCYANATE	2486		292910
ISOBUTYL METHACRYLATE, STABILIZED	2283		291614
ISOBUTYL PROPIONATE	2394		291550
ISOBUTYRALDEHYDE	2045		291219
ISOBUTYRIC ACID	2529		291560
ISOBUTYRONITRILE	2284		292690
ISOBUTYRYL CHLORIDE	2395		291590
ISOCYANATES, FLAMMABLE, TOXIC, N.O.S.	2478		292910
ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	2478		292910
ISOCYANATE SOLUTION, TOXIC, FLAMMABLE, N.O.S.	3080		292910
ISOCYANATE SOLUTION, TOXIC, N.O.S.	2206		292910
ISOCYANATES, TOXIC, FLAMMABLE, N.O.S.	3080		292910
ISOCYANATES, TOXIC, N.O.S.	2206		292910
ISOCYANATOBENZOTRIFLUORIDES	2285		292910
3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate: see	2290		292910
Isododecane: see	2286		290110
ISOHEPTENE	2287		290129
ISOHEXENE	2288		290129
ISOOCTENES	1216		290129
Isopentane: see	1265		290110
ISOPENTENES	2371		290129
ISOPHORONEDIAMINE	2289		292239
ISOPHORONE DIISOCYANATE	2290		292910
ISOPRENE, STABILIZED	1218		290124
ISOPROPANOL	1219		290512
ISOPROPENYL ACETATE	2403		291539
ISOPROPENYLBENZENE	2303		290290
ISOPROPYL ACETATE	1220		291539
ISOPROPYL ACID PHOSPHATE	1793		291990
ISOPROPYL ALCOHOL	1219		290512
ISOPROPYLAMINE	1221		292119
ISOPROPYLBENZENE	1918		290270
ISOPROPYL BUTYRATE	2405		291560
Isopropyl chloride: see	2356		290319
ISOPROPYL CHLOROACETATE	2947		291540
ISOPROPYL CHLOROFORMATE	2407		291590
ISOPROPYL 2-CHLOROPROPIONATE	2934		291590
Isopropylethylene: see	2561		290129
ISOPROPYL ISOBUTYRATE	2406		291560
ISOPROPYL ISOCYANATE	2483		292910
Isopropyl mercaptan: see	2402		293090
ISOPROPYL NITRATE	1222		292090
ISOPROPYL PROPIONATE	2409		291550
Isopropyltoluene: see	2046		290270
Isopropyltoluol: see	2046		290270
ISOSORBIDE DINITRATE MIXTURE with not less than 60% lactose, mannose, starch or calcium hydrogen phosphate	2907		293299
ISOSORBIDE-5-MONONITRATE	3251		293299
JET PERFORATING GUNS, CHARGED, oil well, without detonator	0124		930690
JET PERFORATING GUNS, CHARGED, oil well, without detonator	0494		930690
KEROSENE	1223		273100
KETONES, LIQUID, N.O.S.	1224		2914++
KRILL MEAL	3497		030700
KRYPTON, COMPRESSED	1056		280429
KRYPTON, REFRIGERATED LIQUID	1970		280429
Lacquer: see	1263		3208++
Lacquer: see	3066		3208++
Lacquer: see	3469		3208++

Name and description	UN No	Note	NHM Code
Lacquer: see	3470		3208++
LEAD ACETATE	1616		291529
LEAD ARSENATES	1617		284290
LEAD ARSENITES	1618		284290
LEAD AZIDE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	0129	Prohibited	
LEAD COMPOUND, SOLUBLE, N.O.S.	2291		28++++
LEAD CYANIDE	1620		283719
LEAD DIOXIDE	1872		282490
LEAD NITRATE	1469		283429
LEAD PERCHLORATE, SOLID	1470		282990
LEAD PERCHLORATE SOLUTION	3408		282990
LEAD PHOSPHITE, DIBASIC	2989		283510
LEAD STYPHNATE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	0130	Prohibited	
LEAD SULPHATE with more than 3% free acid	1794		283329
Lead tetraethyl: see	1649		381111
Lead tetramethyl: see	1649		381111
LEAD TRINITRORESORCINATE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	0130	Prohibited	
LIFE-SAVING APPLIANCES NOT SELF-INFLATING containing dangerous goods as equipment	3072		890690
LIFE-SAVING APPLIANCES, SELF-INFLATING	2990		890710
LIGHTER REFILLS containing flammable gas	1057		961390
LIGHTERS containing flammable gas	1057		9613++
LIGHTERS, FUSE	0131		360300
Limonene, inactive: see	2052		290219
LIQUEFIED GASES, non-flammable, charged with nitrogen, carbon dioxide or air	1058		++++++
LIQUEFIED GAS, FLAMMABLE, N.O.S.	3161		++++++
LIQUEFIED GAS, N.O.S.	3163		++++++
LIQUEFIED GAS, OXIDIZING, N.O.S.	3157		++++++
LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S.	3308		++++++
LIQUEFIED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	3309		++++++
LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.	3160		++++++
LIQUEFIED GAS, TOXIC, N.O.S.	3162		++++++
LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	3310		++++++
LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S.	3307		++++++
Liquid filler: see	1263		3208++
Liquid filler: see	3066		3208++
Liquid filler: see	3469		3208++
Liquid filler: see	3470		3208++
Liquid lacquer base: see	1263		3208++
Liquid lacquer base: see	3066		3208++
Liquid lacquer base: see	3469		3208++
Liquid lacquer base: see	3470		3208++
LITHIUM	1415		280519
LITHIUM ALUMINIUM HYDRIDE	1410		285000
LITHIUM ALUMINIUM HYDRIDE, ETHEREAL	1411		285000
LITHIUM BOROHYDRIDE	1413		285000
LITHIUM FERROSILICON	2830		285000
LITHIUM HYDRIDE	1414		285000
LITHIUM HYDRIDE, FUSED SOLID	2805		285000
LITHIUM HYDROXIDE	2680		282520
LITHIUM HYDROXIDE SOLUTION	2679		282520
LITHIUM HYPOCHLORITE, DRY	1471		282890
LITHIUM HYPOCHLORITE MIXTURE	1471		282890
LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT (including lithium ion polymer batteries)	3481		847+++
LITHIUM ION BATTERIES (including lithium ion polymer batteries)	3480		850780
LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)	3481		847+++
LITHIUM METAL BATTERIES (including lithium alloy batteries)	3090		850650
LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT (including lithium alloy batteries)	3091		850650
LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT (including lithium alloy batteries)	3091		850650
LITHIUM NITRATE	2722		283429
LITHIUM NITRIDE	2806		285000
LITHIUM PEROXIDE	1472		282590
LITHIUM SILICON	1417		285000
LONDON PURPLE	1621		380810
Lye: see	1823		281511
MAGNESIUM ALLOYS POWDER	1418		810430
MAGNESIUM ALLOYS with more than 50% magnesium in pellets, turnings or ribbons	1869		8104++
MAGNESIUM ALUMINIUM PHOSPHIDE	1419		284800
MAGNESIUM ARSENATE	1622		284290
MAGNESIUM BROMATE	1473		282990

Name and description	UN No.	Note	NHM Code
MAGNESIUM CHLORATE	2723		282919
MAGNESIUM DIAMIDE	2004		285300
MAGNESIUM FLUROSILICATE	2853		282690
MAGNESIUM GRANULES, COATED, particle size not less than 149 microns	2950		810430
MAGNESIUM HYDRIDE	2010		285000
MAGNESIUM in pellets, turnings or ribbons	1869		8104++
MAGNESIUM NITRATE	1474		283429
MAGNESIUM PERCHLORATE	1475		282990
MAGNESIUM PEROXIDE	1476		281610
MAGNESIUM PHOSPHIDE	2011		284800
MAGNESIUM POWDER	1418		810430
MAGNESIUM SILICIDE	2624		285000
Magnetized material	2807	Exempt	++++++
MALEIC ANHYDRIDE	2215		291714
MALEIC ANHYDRIDE, MOLTEN	2215		291714
MALONONITRILE	2647		292690
MANEB	2210		380892
MANEB PREPARATION with not less than 60% maneb	2210		380892
MANEB PREPARATION, STABILIZED against self-heating	2968		380892
MANEB, STABILIZED against self-heating	2968		380892
Manganese ethylene-1,2-dithiocarbamate: see	2210		380892
Manganese ethylene-di-dithiocarbamate: see	2210		380892
MANGANESE NITRATE	2724		283429
MANGANESE RESINATE	1330		380620
MANNITOL HEXANITRATE, WETTED with not less than 40% water, or mixture of alcohol and water, by mass	0133		292090
MATCHES, FUSEE	2254		360500
MATCHES, SAFETY (book, card or strike on box)	1944		360500
MATCHES, 'STRIKE ANYWHERE'	1331		360500
MATCHES, WAX 'VESTA'	1945		360500
MEDICAL WASTE, N.O.S.	3291		382530
MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3248		300+++
MEDICINE, LIQUID, TOXIC, N.O.S.	1851		300+++
MEDICINE, SOLID, TOXIC, N.O.S.	3249		300+++
p-Mentha-1,8-diene: see	2052		290219
MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3336		293090
MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	1228		293090
MERCAPTAN MIXTURE, LIQUID, TOXIC, FLAMMABLE, N.O.S.	3071		293090
MERCAPTANS, LIQUID, FLAMMABLE, N.O.S.	3336		293090
MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S.	1228		293090
MERCAPTANS, LIQUID, TOXIC, FLAMMABLE, N.O.S.	3071		293090
2-Mercaptoethanol: see	2966		293090
5-MERCAPTOTETRAZOL-1-ACETIC ACID	0448		293499
MERCURIC ARSENATE	1623		285200
MERCURIC CHLORIDE	1624		285200
MERCURIC NITRATE	1625		285200
MERCURIC POTASSIUM CYANIDE	1626		285200
MERCUROUS NITRATE	1627		285200
MERCURY	2809		280540
MERCURY ACETATE	1629		285200
MERCURY AMMONIUM CHLORIDE	1630		285200
MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	2778		380892
MERCURY BASED PESTICIDE, LIQUID, TOXIC	3012		380892
MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	3011		380892
MERCURY BASED PESTICIDE, SOLID, TOXIC	2777		380892
MERCURY BENZOATE	1631		285200
MERCURY BROMIDES	1634		285200
MERCURY COMPOUND, LIQUID, N.O.S.	2024		285200
MERCURY COMPOUND, SOLID, N.O.S.	2025		285200
MERCURY CONTAINED IN MANUFACTURED ARTICLES	3506		2852++
MERCURY CYANIDE	1636		285200
MERCURY FULMINATE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	0135	Prohibited	
MERCURY GLUCONATE	1637		285200
MERCURY IODIDE	1638		285200
MERCURY NUCLEATE	1639		285200
MERCURY OLEATE	1640		285200
MERCURY OXIDE	1641		285200
MERCURY OXYCYANIDE, DESENSITIZED	1642		285200
MERCURY POTASSIUM IODIDE	1643		285200
MERCURY SALICYLATE	1644		285200

Name and description	UN No.	Note	NHM Code
MERCURY SULPHATE	1645		285200
MERCURY THIOCYANATE	1646		285200
Mesitylene: see	2325		290290
MESITYL OXIDE	1229		291419
METAL CARBONYLS, LIQUID, N.O.S.	3281		293100
METAL CARBONYLS, SOLID, N.O.S.	3466		293100
METAL CATALYST, DRY	2881		38151+
METAL CATALYST, WETTED with a visible excess of liquid	1378		38151+
METALDEHYDE	1332		291250
METAL HYDRIDES, FLAMMABLE, N.O.S.	3182		285000
METAL HYDRIDES, WATER-REACTIVE, N.O.S.	1409		285000
METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	3208		+++++
METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	3209		+++++
METAL POWDER, FLAMMABLE, N.O.S.	3089		81++++
METAL POWDER, SELF-HEATING, N.O.S.	3189		81++++
METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S.	3181		29++++
METHACRYLALDEHYDE, STABILIZED	2396		291219
METHACRYLIC ACID, STABILIZED	2531		291613
METHACRYLONITRILE, STABILIZED	3079		292690
METHALLYL ALCOHOL	2614		290519
METHANE, COMPRESSED	1971		271129
METHANE, REFRIGERATED LIQUID	1972		271119
METHANESULPHONYL CHLORIDE	3246		290490
METHANOL	1230		290511
METHOXYMETHYL ISOCYANATE	2605		292910
4-METHOXY-4-METHYLPENTAN-2-ONE	2293		291450
1-METHOXY-2-PROPANOL	3092		290949
METHYL ACETATE	1231		291539
METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED	1060		271119
METHYL ACRYLATE, STABILIZED	1919		291612
METHYLAL	1234		291100
METHYLALLYL CHLORIDE	2554		290329
METHYLAMINE, ANHYDROUS	1061		292111
METHYLAMINE, AQUEOUS SOLUTION	1235		292111
METHYLAMYL ACETATE	1233		291539
Methyl amyl alcohol: see	2053		290519
N-METHYLANILINE	2294		292142
alpha-METHYLBENZYL ALCOHOL, LIQUID	2937		290629
alpha-METHYLBENZYL ALCOHOL, SOLID	3438		290629
METHYL BROMIDE with not more than 2% chloropicrin	1062		290339
METHYL BROMIDE AND ETHYLENE DIBROMIDE MIXTURE, LIQUID	1647		290339
METHYL BROMOACETATE	2643		291590
2-METHYLBUTANAL	3371		290110
3-METHYLBUTAN-2-ONE	2397		291419
2-METHYL-1-BUTENE	2459		290129
2-METHYL-2-BUTENE	2460		290129
3-METHYL-1-BUTENE	2561		290129
N-METHYLBUTYLAMINE	2945		292119
METHYL tert-BUTYL ETHER	2398		290919
METHYL BUTYRATE	1237		291560
METHYL CHLORIDE	1063		290311
METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE	1912		290319
METHYL CHLOROACETATE	2295		291540
METHYL CHLOROFORMATE	1238		291590
METHYL CHLOROMETHYL ETHER	1239		290919
METHYL 2-CHLOROPROPIONATE	2933		291590
METHYLCHLOROSILANE	2534		293100
Methyl cyanide: see	1648		292690
METHYLCYCLOHEXANE	2296		290219
METHYLCYCLOHEXANOLS, flammable	2617		290612
METHYLCYCLOHEXANONE	2297		291422
METHYLCYCLOPENTANE	2298		290219
METHYL DICHLOROACETATE	2299		291540
METHYLDICHLOROSILANE	1242		293100
Methylene chloride: see	1593		290312
METHYL ETHYL KETONE	1193		291412
2-METHYL-5-ETHYLPYRIDINE	2300		293339
METHYL FLUORIDE	2454		290339
METHYL FORMATE	1243		291513
2-METHYLFURAN	2301		293219

Name and description	UN No	Note	NHM Code
Methyl glycol, see	1188		290944
2-METHYL-2-HEPTANETHIOL	3023		293090
5-METHYLHEXAN-2-ONE	2302		291419
METHYLHYDRAZINE	1244		292800
METHYL IODIDE	2644		290339
METHYL ISOBUTYL CARBINOL	2053		290519
METHYL ISOBUTYL KETONE	1245		291413
METHYL ISOCYANATE	2480		292910
METHYL ISOPROPENYL KETONE, STABILIZED	1246		291419
METHYL ISOTHIOCYANATE	2477		293090
METHYL ISOVALERATE	2400		291560
METHYL MAGNESIUM BROMIDE IN ETHYL ETHER	1928		293100
METHYL MERCAPTAN	1064		293090
Methyl mercaptopropionaldehyde: see	2785		293090
METHYL METHACRYLATE MONOMER, STABILIZED	1247		291614
4-METHYLMORPHOLINE	2535		293499
N-METHYLMORPHOLINE	2535		293499
METHYL NITRITE	2455	Prohibited	
METHYL ORTHOSILICATE	2606		292090
METHYLPENTADIENE	2461		290129
2-METHYLPENTAN-2-OL	2560		290519
4-Methylpentan-2-ol: see	2053		290519
3-Methyl-2-penten-4-ynol: see	2705		290529
METHYLPHENYLDICHLOROSILANE	2437		293100
1-METHYLPYPERIDINE	2399		293339
METHYL PROPIONATE	1248		291550
Methylpropylbenzene: see	2046		290270
METHYL PROPYL ETHER	2612		290919
METHYL PROPYL KETONE	1249		291419
Methyl pyridines: see	2313		293339
METHYLTETRAHYDROFURAN	2536		293219
METHYL TRICHLOROACETATE	2533		291540
METHYLTRICHLOROSILANE	1250		293100
alpha-METHYLVALERALDEHYDE	2367		291219
METHYL VINYL KETONE, STABILIZED	1251		291419
M.i.b.c.: see	2053		290519
MINES with bursting charge	0136		930690
MINES with bursting charge	0137		930690
MINES with bursting charge	0138		930690
MINES with bursting charge	0294		930690
Mixture A: see	1965		271113
			271119
Mixture A 0: see	1965		271113
			271119
Mixture A 01: see	1965		271113
			271119
Mixture A 02: see	1965		271113
			271119
Mixture A 1: see	1965		271119
			271113
Mixture B: see	1965		271119
			271113
Mixture B 1: see	1965		271119
			271113
Mixture B 2: see	1965		271119
			271113
Mixture C: see	1965		271119
			271113
Mixture F1: see	1078		38247+
Mixture F2: see	1078		38247+
Mixture F3: see	1078		38247+
Mixture P1: see	1060		271119
Mixture P2: see	1060		271119
Mixtures of solids containing flammable liquid, n.o.s. having a flash-point up to 60 °C: see	3175		+++++
MOLYBDENUM PENTACHLORIDE	2508		282739
Monochlorobenzene: see	1134		290361
MONONITROTOLUIDINES	2660		292143
MORPHOLINE	2054		293499
MOTOR FUEL ANTI-KNOCK MIXTURE	1649		381111
MOTOR FUEL ANTI-KNOCK MIXTURE, FLAMMABLE	3483		381111

Name and description	UN No.	Note	NHM Code
MOTOR SPIRIT	1203		272+00
Muriatic acid: see	1789		280610
MUSK XYLENE	2956		290420
Mysorite: see	2212		252490
NAPHTHALENE, CRUDE	1334		270740
NAPHTHALENE, MOLTEN	2304		290290
NAPHTHALENE, REFINED	1334		290290
alpha-NAPHTHYLAMINE	2077		292145
beta-NAPHTHYLAMINE, SOLID	1650		292145
beta-NAPHTHYLAMINE SOLUTION	3411		292145
NAPHTHYLTHIOUREA	1651		293090
NAPHTHYLUREA	1652		292421
NATURAL GAS, COMPRESSED with high methane content	1971		271121
NATURAL GAS, REFRIGERATED LIQUID with high methane content	1972		271111
NEON, COMPRESSED	1065		280429
NEON, REFRIGERATED LIQUID	1913		280429
NICKEL CARBONYL	1259		293100
NICKEL CYANIDE	1653		283719
NICKEL NITRATE	2725		283429
NICKEL NITRITE	2726		283410
NICOTINE	1654		293999
NICOTINE COMPOUND, LIQUID, N.O.S.	3144		293999
NICOTINE COMPOUND, SOLID, N.O.S.	1655		293999
NICOTINE HYDROCHLORIDE, LIQUID	1656		293999
NICOTINE HYDROCHLORIDE, SOLID	3444		293999
NICOTINE HYDROCHLORIDE, SOLUTION	1656		293999
NICOTINE PREPARATION, LIQUID, N.O.S.	3144		293999
NICOTINE PREPARATION, SOLID, N.O.S.	1655		293999
NICOTINE SALICYLATE	1657		293999
NICOTINE SULPHATE, SOLID	3445		293999
NICOTINE SULPHATE, SOLUTION	1658		293999
NICOTINE TARTRATE	1659		293999
NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	3218		283429
NITRATES, INORGANIC, N.O.S.	1477		283429
NITRATING ACID MIXTURE with more than 50% nitric acid	1796		280800
NITRATING ACID MIXTURE with not more than 50% nitric acid	1796		280800
NITRATING ACID MIXTURE, SPENT, with more than 50% nitric acid	1826		280800 382569
NITRATING ACID MIXTURE, SPENT, with not more than 50% nitric acid	1826		280800 382569
NITRIC ACID, other than red fuming	2031		280800
NITRIC ACID, RED FUMING	2032		280800
NITRIC OXIDE AND DINITROGEN TETROXIDE MIXTURE	1975		281129
NITRIC OXIDE AND NITROGEN DIOXIDE MIXTURE	1975		281129
NITRIC OXIDE, COMPRESSED	1660		281129
NITRILES, FLAMMABLE, TOXIC, N.O.S.	3273		292690
NITRILES, TOXIC, FLAMMABLE, N.O.S.	3275		292690
NITRILES, LIQUID, TOXIC, N.O.S.	3276		292690
NITRILES, SOLID, TOXIC, N.O.S.	3439		292690
NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	3219		283410
NITRITES, INORGANIC, N.O.S.	2627		283410
NITROANILINES (o-, m-, p-)	1661		292142
NITROANISOLE, LIQUID	2730		290930
NITROANISOLE, SOLID	3458		290930
NITROBENZENE	1662		290420
NITROBENZENESULPHONIC ACID	2305		290490
5-NITROBENZOTRIAZOL	0385		293399
NITROBENZOTRIFLUORIDES, LIQUID	2306		290490
NITROBENZOTRIFLUORIDES, SOLID	3431		290490
NITROBROMOBENZENES, LIQUID	2732		290490
NITROBROMOBENZENES, SOLID	3459		290490
NITROCELLULOSE, dry or wetted with less than 25% water (or alcohol), by mass	0340		391220
NITROCELLULOSE MEMBRANE FILTERS, with not more than 12.6% nitrogen, by dry mass	3270		391220
NITROCELLULOSE, PLASTICIZED with not less than 18% plasticizing substance, by mass	0343		391220
NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	2059		391220
NITROCELLULOSE, unmodified or plasticized with less than 18% plasticizing substance, by mass	0341		391220
NITROCELLULOSE, WETTED with not less than 25% alcohol, by mass	0342		391220
NITROCELLULOSE WITH ALCOHOL (not less than 25% alcohol, by mass, and not more than 12.6% nitrogen, by dry mass)	2556		391220

Name and description	UN No.	Note	NHM Code
NITROCELLULOSE, with not more than 12.6% nitrogen, by dry mass, MIXTURE WITH or WITHOUT PLASTICIZER, WITH or WITHOUT PIGMENT	2557		391220
NITROCELLULOSE WITH WATER (not less than 25% water, by mass)	2555		391220
3-NITRO-4-CHLORO-BENZOTRIFLUORIDE	2307		290490
NITROCRESOLS, LIQUID	3434		290899
NITROCRESOLS, SOLID	2446		290899
NITROETHANE	2842		290420
NITROGEN, COMPRESSED	1066		280430
NITROGEN DIOXIDE	1067		281129
NITROGEN, REFRIGERATED LIQUID	1977		280430
NITROGEN TRIFLUORIDE	2451		281290
NITROGEN TRIOXIDE	2421	Prohibited	
NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% nitroglycerin, by mass	3343		292090
NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass	3357		292090
NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass	3319		292090
NITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass	0143		360200
NITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin	3064		292090
NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin	0144		360200
NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin	1204		292090
NITROGUANIDINE, dry or wetted with less than 20% water, by mass	0282		292529
NITROGUANIDINE, WETTED with not less than 20% water, by mass	1336		292529
NITROHYDROCHLORIC ACID	1798	Prohibited	
NITROMANNITE, WETTED with not less than 40% water, or mixture of alcohol and water, by mass	0133		292090
NITROMETHANE	1261		290420
NITRONAPHTHALENE	2538		290420
NITROPHENOLS (o-, m-, p-)	1663		290899
4-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass	3376		292800
NITROPROPANES	2608		290420
p-NITROSODIMETHYLANILINE	1369		292119
NITROSTARCH, dry or wetted with less than 20% water, by mass	0146		360200
NITROSTARCH, WETTED with not less than 20% water, by mass	1337		360200
NITROSYL CHLORIDE	1069		281210
NITROSYLSULPHURIC ACID, LIQUID	2308		281119
NITROSYLSULPHURIC ACID, SOLID	3456		281119
NITROTOLUENES, LIQUID	1664		290420
NITROTOLUENES, SOLID	3446		290420
NITROTOLUIDINES (MONO)	2660		292143
NITROTRIAZOLONE	0490		293399
NITRO UREA	0147		292419
NITROUS OXIDE	1070		281129
NITROUS OXIDE, REFRIGERATED LIQUID	2201		281129
NITROXYLENES, LIQUID	1665		290420
NITROXYLENES, SOLID	3447		290420
NONANES	1920		290110
NONYLTRICHLOROSILANE	1799		293100
2,5-NORBORNADIENE, STABILIZED	2251		290219
NTO	0490		293399
OCTADECYLTRICHLOROSILANE	1800		293100
OCTADIENES	2309		290129
OCTAFLUOROBUT-2-ENE	2422		290339
OCTAFLUOROCYCLOBUTANE	1976		290359
OCTAFLUOROPROPANE	2424		290339
OCTANES	1262		290110
OCTOGEN, DESENSITIZED	0484		293369
OCTOGEN, WETTED with not less than 15% water, by mass	0226		293369
OCTOL, dry or wetted with less than 15% water, by mass	0266		360200
OCTOLITE, dry or wetted with less than 15% water, by mass	0266		360200
OCTONAL	0496		360200
OCTYL ALDEHYDES	1191		291219
OCTYLTRICHLOROSILANE	1801		293100
OIL GAS, COMPRESSED	1071		271129
Oleum: see	1831		280700
ORGANIC PEROXIDES (list)		2.2.52.4	+++++
ORGANIC PEROXIDE TYPE B, LIQUID	3101		29++++
ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED	3111	Prohibited	
ORGANIC PEROXIDE TYPE B, SOLID	3102		29++++

Name and description	UN No	Note	NHM Code
ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED	3112	Prohibited	
ORGANIC PEROXIDE TYPE C, LIQUID	3103		29++++
ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED	3113	Prohibited	
ORGANIC PEROXIDE TYPE C, SOLID	3104		29++++
ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED	3114	Prohibited	
ORGANIC PEROXIDE TYPE D, LIQUID	3105		29++++
ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED	3115	Prohibited	
ORGANIC PEROXIDE TYPE D, SOLID	3106		29++++
ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	3116	Prohibited	
ORGANIC PEROXIDE TYPE E, LIQUID	3107		29++++
ORGANIC PEROXIDE TYPE E, LIQUID, TEMPERATURE CONTROLLED	3117	Prohibited	
ORGANIC PEROXIDE TYPE E, SOLID	3108		29++++
ORGANIC PEROXIDE TYPE E, SOLID, TEMPERATURE CONTROLLED	3118	Prohibited	
ORGANIC PEROXIDE TYPE F, LIQUID	3109		29++++
ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED	3119	Prohibited	
ORGANIC PEROXIDE TYPE F, SOLID	3110		29++++
ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED	3120	Prohibited	
ORGANIC PIGMENTS, SELF-HEATING	3313		320+++
ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	3280		293100
ORGANOARSENIC COMPOUND, SOLID, N.O.S.	3465		293100
ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	2762		380891
ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	2996		380891
ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	2995		380891
ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	2761		380891
ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	3282		293100
ORGANOMETALLIC COMPOUND, SOLID, TOXIC, N.O.S.	3467		293100
ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC	3392		293100
ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE	3394		293100
ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	3398		293100
ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	3399		293100
ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC	3391		293100
ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC, WATER-REACTIVE	3393		293100
ORGANOMETALLIC SUBSTANCE, SOLID, SELF-HEATING	3400		293100
ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	3395		293100
ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	3396		293100
ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	3397		293100
ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	3279		+++++
ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	3278		+++++
ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S.	3464		+++++
ORGANOPHOSPHORUS PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	2784		3808++
ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	3018		3808++
ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	3017		3808++
ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	2783		3808++
ORGANOTIN COMPOUND, LIQUID, N.O.S.	2788		293100
ORGANOTIN COMPOUND, SOLID, N.O.S.	3146		293100
ORGANOTIN PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	2787		3808++
ORGANOTIN PESTICIDE, LIQUID, TOXIC	3020		3808++
ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	3019		3808++
ORGANOTIN PESTICIDE, SOLID, TOXIC	2786		3808++
OSMIUM TETROXIDE	2471		284390
OXIDIZING LIQUID, CORROSIVE, N.O.S.	3098		+++++
OXIDIZING LIQUID, N.O.S.	3139		+++++
OXIDIZING LIQUID, TOXIC, N.O.S.	3099		+++++
OXIDIZING SOLID, CORROSIVE, N.O.S.	3085		+++++
OXIDIZING SOLID, FLAMMABLE, N.O.S.	3137	Prohibited	
OXIDIZING SOLID, N.O.S.	1479		+++++
OXIDIZING SOLID, SELF-HEATING, N.O.S.	3100	Prohibited	
OXIDIZING SOLID, TOXIC, N.O.S.	3087		+++++
OXIDIZING SOLID, WATER-REACTIVE, N.O.S.	3121	Prohibited	
OXYGEN, COMPRESSED	1072		280440
OXYGEN DIFLUORIDE, COMPRESSED	2190		281290
OXYGEN GENERATOR, CHEMICAL	3356		+++++
OXYGEN, REFRIGERATED LIQUID	1073		280440
PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	1263		3208++
PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3066		3208++
PAINT, CORROSIVE, FLAMMABLE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3470		3208++
PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	3469		3208++
PAINT RELATED MATERIAL (including paint thinning and reducing compound)	1263		381400

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PAINT RELATED MATERIAL (including paint thinning and reducing compound)	3066		381400
PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE (including paint thinning and reducing	3470		381400
PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE (including paint thinning and reducing	3469		381400
Paint thinning: see	1263		381400
Paint thinning: see	3066		381400
Paint thinning: see	3469		381400
Paint thinning: see	3470		381400
PAPER, UNSATURATED OIL TREATED, incompletely dried	1379		481160
PARAFORMALDEHYDE	2213		291260
PARALDEHYDE	1264		291250
PENTABORANE	1380		285000
PENTACHLOROETHANE	1669		290319
PENTACHLOROPHENOL	3155		290811
PENTAERYTHRITOL TETRANITRATE, DESENSITIZED with not less than 15% phlegmatizer, by mass	0150		292090
PENTAERYTHRITOL TETRANITRATE MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by mass	3344		292090
PENTAERYTHRITOL TETRANITRATE, WETTED with not less than 25% water, by mass	0150		292090
PENTAERYTHRITOL TETRANITRATE with not less than 7% wax, by mass	0411		292090
PENTAERYTHRITOL TETRANITRATE, DESENSITIZED with not less than 15% phlegmatizer, by mass	0150		292090
PENTAERYTHRITOL TETRANITRATE MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by mass	3344		292090
PENTAERYTHRITOL TETRANITRATE, WETTED with not less than 25% water, by mass	0150		292090
PENTAERYTHRITOL TETRANITRATE with not less than 7% wax, by mass	0411		292090
PENTAFLUOROETHANE	3220		290339
Pentafluoroethane, 1,1,1-trifluoroethane, and 1,1,1,2-tetrafluoroethane zeotropic mixture with approximately 44% pentafluoroethane and 52% 1,1,1-trifluoroethane: see	3337		382474
PENTAMETHYLHEPTANE	2286		290110
PENTANE-2,4-DIONE	2310		291419
PENTANES, liquid	1265		290110
n-Pentane: see	1265		290110
PENTANOLS	1105		290519
1-PENTENE	1108		290129
1-PENTOL	2705		290529
PENTOLITE, dry or wetted with less than 15% water, by mass	0151		360200
PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	3211		282990
PERCHLORATES, INORGANIC, N.O.S.	1481		282990
PERCHLORIC ACID with more than 50% but not more than 72% acid, by mass	1873		281119
PERCHLORIC ACID with not more than 50% acid, by mass	1802		281119
Perchloroethylene: see	1897		290323
PERCHLOROMETHYL MERCAPTAN	1670		293090
PERCHLORYL FLUORIDE	3083		281210
PERFLUORO(ETHYL VINYL ETHER)	3154		290919
PERFLUORO(METHYL VINYL ETHER)	3153		290919
PERFUMERY PRODUCTS with flammable solvents	1266		330300
PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	3214		284169
PERMANGANATES, INORGANIC, N.O.S.	1482		284169
PEROXIDES, INORGANIC, N.O.S.	1483		282590
PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	3216		283340
PERSULPHATES, INORGANIC, N.O.S.	3215		283340
PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flash-point less than 23 °C	3021		3808++
PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash-point not less than 23 °C	2903		3808++
PESTICIDE, LIQUID, TOXIC, N.O.S.	2902		3808++
PESTICIDE, SOLID, TOXIC, N.O.S.	2588		3808++
PETN, DESENSITIZED with not less than 15% phlegmatizer, by mass	0150		292090
PETN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by	3344		292090
PETN, WETTED with not less than 25% water, by mass	0150		292090
PETN with not less than 7% wax, by mass	0411		292090
PETROL	1203		272+00
PETROLEUM CRUDE OIL	1267		270900
PETROLEUM DISTILLATES, N.O.S.	1268		27++++
PETROLEUM GASES, LIQUEFIED	1075		271119
PETROLEUM PRODUCTS, N.O.S.	1268		27++++
PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3494		270900
PHENACYL BROMIDE	2645		291470
PHENETIDINES	2311		292229
PHENOLATES, LIQUID	2904		290711
PHENOLATES, SOLID	2905		290711
PHENOL, MOLTEN	2312		290711
PHENOL, SOLID	1671		290711

Name and description	UN No	Note	NHM Code
PHENOL SOLUTION	2821		290711
PHENOLSULPHONIC ACID, LIQUID	1803		290899
PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3346		380893
PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	3348		380893
PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than	3347		380893
PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	3345		380893
PHENYLACETONITRILE, LIQUID	2470		292690
PHENYLACETYL CHLORIDE	2577		291639
PHENYLCARBYLAMINE CHLORIDE	1672		292529
PHENYL CHLOROFORMATE	2746		291590
PHENYLENEDIAMINES (o-, m-, p-)	1673		292151
Phenylethylene: see	2055		290250
PHENYLHYDRAZINE	2572		292800
PHENYL ISOCYANATE	2487		292910
PHENYL MERCAPTAN	2337		293090
PHENYLMERCURIC ACETATE	1674		285200
PHENYLMERCURIC COMPOUND, N.O.S.	2026		285200
PHENYLMERCURIC HYDROXIDE	1894		285200
PHENYLMERCURIC NITRATE	1895		285200
PHENYLPHOSPHORUS DICHLORIDE	2798		293100
PHENYLPHOSPHORUS THIODICHLORIDE	2799		292019
PHENYLTRICHLOROSILANE	1804		293100
PHOSGENE	1076		281210
9-PHOSPHABICYCLO-NONANES	2940		293100
PHOSPHINE	2199		284800
Phosphoretted hydrogen: see	2199		284800
PHOSPHORIC ACID, SOLID	3453		280920
PHOSPHORIC ACID, SOLUTION	1805		280920
Phosphoric acid, anhydrous: see	1807		280910
PHOSPHOROUS ACID	2834		281119
PHOSPHORUS, AMORPHOUS	1338		280470
PHOSPHORUS HEPTASULPHIDE, free from yellow and white phosphorus	1339		281390
PHOSPHORUS OXYBROMIDE	1939		281290
PHOSPHORUS OXYBROMIDE, MOLTEN	2576		281290
PHOSPHORUS OXYCHLORIDE	1810		281210
PHOSPHORUS PENTABROMIDE	2691		281290
PHOSPHORUS PENTACHLORIDE	1806		281210
PHOSPHORUS PENTAFLUORIDE	2198		281290
PHOSPHORUS PENTASULPHIDE, free from yellow and white phosphorus	1340		281390
PHOSPHORUS PENTOXIDE	1807		280910
PHOSPHORUS SESQUISULPHIDE, free from yellow and white phosphorus	1341		281390
PHOSPHORUS TRIBROMIDE	1808		281290
PHOSPHORUS TRICHLORIDE	1809		281210
PHOSPHORUS TRIOXIDE	2578		281129
PHOSPHORUS TRISULPHIDE, free from yellow and white phosphorus	1343		281390
PHOSPHORUS, WHITE, DRY	1381		280470
PHOSPHORUS, WHITE, IN SOLUTION	1381		280470
PHOSPHORUS, WHITE, MOLTEN	2447		280470
PHOSPHORUS, WHITE, UNDER WATER	1381		280470
PHOSPHORUS, YELLOW, DRY	1381		280470
PHOSPHORUS, YELLOW, IN SOLUTION	1381		280470
PHOSPHORUS, YELLOW, UNDER WATER	1381		280470
PHTHALIC ANHYDRIDE with more than 0.05% of maleic anhydride	2214		291735
PICOLINES	2313		293339
PICRAMIDE	0153		292142
PICRIC ACID, dry or wetted with less than 30% water, by mass	0154		290899
PICRIC ACID, WETTED with not less than 10% water, by mass	3364		290899
PICRIC ACID, WETTED with not less than 30% water, by mass	1344		290899
PICRITE, dry or wetted with less than 20% water, by mass	0282		292529
PICRITE, WETTED with not less than 20% water, by mass	1336		292529
PICRYL CHLORIDE	0155		290490
PICRYL CHLORIDE WETTED with not less than 10% water, by mass	3365		290490
alpha-PINENE	2368		290219
PINE OIL	1272		380590
PIPERAZINE	2579		293359
PIPERIDINE	2401		293332
Pivaloyl chloride: see	2438		291590
PLASTICS MOULDING COMPOUND in dough, sheet or extruded rope form evolving flammable vapour	3314		39++++

Name and description	UN No.	Note	NHM Code
PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S.	2006		391290
Polish: see	1263		3208++
Polish: see	3066		3208++
Polish: see	3469		3208++
Polish: see	3470		3208++
POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	2733		2921++
POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	2734		2921++
POLYAMINES, LIQUID, CORROSIVE, N.O.S.	2735		2921++
POLYAMINES, SOLID, CORROSIVE, N.O.S.	3259		2921++
POLYCHLORINATED BIPHENYLS, LIQUID	2315		290369
POLYCHLORINATED BIPHENYLS, SOLID	3432		290369
POLYESTER RESIN KIT	3269		3907++
POLYHALOGENATED BIPHENYLS, LIQUID	3151		290369
POLYHALOGENATED BIPHENYLS, SOLID	3152		290369
POLYHALOGENATED TERPHENYLS, LIQUID	3151		290369
POLYHALOGENATED TERPHENYLS, SOLID	3152		290369
POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour	2211		390311
POTASSIUM	2257		280519
POTASSIUM ARSENATE	1677		284290
POTASSIUM ARSENITE	1678		284290
Potassium bisulphate: see	2509		283329
POTASSIUM BOROHYDRIDE	1870		285000
POTASSIUM BROMATE	1484		282990
POTASSIUM CHLORATE	1485		282919
POTASSIUM CHLORATE, AQUEOUS SOLUTION	2427		282919
POTASSIUM CUPROCYANIDE	1679		283720
POTASSIUM CYANIDE SOLUTION	3413		283719
POTASSIUM CYANIDE, SOLID	1680		283719
POTASSIUM DITHIONITE	1929		283190
POTASSIUM FLUORIDE SOLUTION	3422		282619
POTASSIUM FLUORIDE, SOLID	1812		282619
POTASSIUM FLUOROACETATE	2628		291590
POTASSIUM FLUOROSILICATE	2655		282620
Potassium hydrate: see	1814		281520
POTASSIUM HYDROGENDIFLUORIDE, SOLID	1811		282619
POTASSIUM HYDROGENDIFLUORIDE SOLUTION	3421		282619
POTASSIUM HYDROGEN SULPHATE	2509		283329
POTASSIUM HYDROSULPHITE	1929		283190
Potassium hydroxide, liquid: see	1814		281520
POTASSIUM HYDROXIDE, SOLID	1813		281520
POTASSIUM HYDROXIDE SOLUTION	1814		281520
POTASSIUM METAL ALLOYS, LIQUID	1420		280519
POTASSIUM METAL ALLOYS, SOLID	3403		280519
POTASSIUM METAVANADATE	2864		284190
POTASSIUM MONOXIDE	2033		282590
POTASSIUM NITRATE	1486		283421
POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE	1487		283421 283410
POTASSIUM NITRITE	1488		283410
POTASSIUM PERCHLORATE	1489		282990
POTASSIUM PERMANGANATE	1490		284161
POTASSIUM PEROXIDE	1491		281530
POTASSIUM PERSULPHATE	1492		283340
POTASSIUM PHOSPHIDE	2012		284800
POTASSIUM SODIUM ALLOYS, LIQUID	1422		280519
POTASSIUM SODIUM ALLOYS, SOLID	3404		280519
POTASSIUM SULPHIDE, ANHYDROUS	1382		283090
POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization	1847		283090
POTASSIUM SULPHIDE with less than 30% water of crystallization	1382		283090
POTASSIUM SUPEROXIDE	2466		281530
POWDER CAKE, WETTED with not less than 17% alcohol, by mass	0433		360100
POWDER CAKE, WETTED with not less than 25% water, by mass	0159		360100
POWDER PASTE, WETTED with not less than 17% alcohol, by mass	0433		360100
POWDER PASTE, WETTED with not less than 25% water, by mass	0159		360100
POWDER, SMOKELESS	0160		360100
POWDER, SMOKELESS	0161		360100
POWDER, SMOKELESS	0509		360200
Preparations containing flammable liquid, n.o.s. having a flash-point up to 60 °C: see	3175		+++++
PRIMERS, CAP TYPE	0044		360300
PRIMERS, CAP TYPE	0377		360300

Name and description	UN No	Note	NHM Code
PRIMERS, CAP TYPE	0378		360300
PRIMERS, TUBULAR	0319		360300
PRIMERS, TUBULAR	0320		360300
PRIMERS, TUBULAR	0376		360300
PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	1210		381400
PRINTING INK, flammable	1210		3215++
PROJECTILES, inert with tracer	0345		930690
PROJECTILES, inert with tracer	0424		930690
PROJECTILES, inert with tracer	0425		930690
PROJECTILES with burster or expelling charge	0346		930690
PROJECTILES with burster or expelling charge	0347		930690
PROJECTILES with burster or expelling charge	0426		930690
PROJECTILES with burster or expelling charge	0427		930690
PROJECTILES with burster or expelling charge	0434		930690
PROJECTILES with burster or expelling charge	0435		930690
PROJECTILES with bursting charge	0167		930690
PROJECTILES with bursting charge	0168		930690
PROJECTILES with bursting charge	0169		930690
PROJECTILES with bursting charge	0324		930690
PROJECTILES with bursting charge	0344		930690
PROPADIENE, STABILIZED	2200		290129
PROPANE	1978		271112
PROPANETHIOLS	2402		293090
n-PROPANOL	1274		290512
PROPELLANT, LIQUID	0495		360200
PROPELLANT, LIQUID	0497		360200
PROPELLANT, SOLID	0498		360100
PROPELLANT, SOLID	0499		360100
PROPELLANT, SOLID	0501		360100
PROPIONALDEHYDE	1275		291219
PROPIONIC ACID with not less than 10% and less than 90% acid by mass	1848		291550
PROPIONIC ACID with not less than 90% acid by mass	3463		291550
PROPIONIC ANHYDRIDE	2496		291590
PROPIONITRILE	2404		292690
PROPIONYL CHLORIDE	1815		291590
n-PROPYL ACETATE	1276		291539
PROPYL ALCOHOL, NORMAL	1274		290512
PROPYLAMINE	1277		292119
n-PROPYLBENZENE	2364		290290
Propyl chloride: see	1278		290319
n-PROPYL CHLOROFORMATE	2740		291590
PROPYLENE	1077		271114 290122
PROPYLENE CHLOROHYDRIN	2611		290559
1,2-PROPYLENEDIAMINE	2258		292129
Propylene dichloride: see	1279		290319
PROPYLENEIMINE, STABILIZED	1921		293399
PROPYLENE OXIDE	1280		291020
PROPYLENE TETRAMER	2850		290129
Propylene trimer: see	2057		290129
PROPYL FORMATES	1281		291513
n-PROPYL ISOCYANATE	2482		292910
Propyl mercaptan: see	2402		293090
n-PROPYL NITRATE	1865		292090
PROPYLTRICHLOROSILANE	1816		293100
Pyrazine hexahydride: see	2579		293359
PYRETHROID PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	3350		380891
PYRETHROID PESTICIDE, LIQUID, TOXIC	3352		380891
PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	3351		380891
PYRETHROID PESTICIDE, SOLID, TOXIC	3349		380891
PYRIDINE	1282		293331
PYROPHORIC ALLOY, N.O.S.	1383		81++++
PYROPHORIC LIQUID, INORGANIC, N.O.S.	3194		28++++
PYROPHORIC LIQUID, ORGANIC, N.O.S.	2845		29++++
PYROPHORIC METAL, N.O.S.	1383		81++++
PYROPHORIC SOLID, INORGANIC, N.O.S.	3200		28++++
PYROPHORIC SOLID, ORGANIC, N.O.S.	2846		29++++
PYROSULPHURYL CHLORIDE	1817		281210
PYRROLIDINE	1922		293399
QUINOLINE	2656		293349

Name and description	UN No.	Note	NHM Code
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES	2911		2844++
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED FROM NATURAL URANIUM or DEPLETED URANIUM or NATURAL THORIUM	2909		2844++
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - EMPTY PACKAGING	2908		2844++
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - INSTRUMENTS	2911		2844++
RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL	2910		2844++
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), non fissile or fissile-excepted	2912		2844++
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE	3324		2844++
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non fissile or fissile-excepted	3321		2844++
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), non fissile or fissile-excepted	3322		2844++
RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY, (LSA-III), FISSILE	3325		2844++
RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), FISSILE	3326		2844++
RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), non fissile or fissile-excepted	2913		2844++
RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, FISSILE	3331		2844++
RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, non fissile or fissile-excepted	2919		2844++
RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, non-special form	3327		2844++
RADIOACTIVE MATERIAL, TYPE A PACKAGE, non-special form, non fissile or fissile-excepted	2915		2844++
RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE	3333		2844++
RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, non fissile or fissile-excepted	3332		2844++
RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE	3329		2844++
RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non fissile or fissile-excepted	2917		2844++
RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE	3328		2844++
RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, non fissile or fissile-excepted	2916		2844++
RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE	3330		2844++
RADIOACTIVE MATERIAL, TYPE C PACKAGE, non fissile or fissile-excepted	3323		2844++
RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE	2977		2844++
RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non fissile or fissile-excepted	2978		2844++
Rags, oily	1856	Exempt	5++++
RDX AND CYCLOTETRAMETHYLENETETRANITRAMINE MIXTURE, DESENSITIZED with not less than 10% phlegmatizer by mass	0391		293369
RDX AND CYCLOTETRAMETHYLENETETRANITRAMINE MIXTURE, WETTED with not less than 15% water, by mass	0391		293369
RDX AND HMX MIXTURE, DESENSITIZED with not less than 10% phlegmatizer by mass	0391		293369
RDX AND HMX MIXTURE, WETTED with not less than 15% water, by mass	0391		293369
RDX AND OCTOGEN MIXTURE, DESENSITIZED with not less than 10% phlegmatizer by mass	0391		293369
RDX AND OCTOGEN MIXTURE, WETTED with not less than 15% water, by mass	0391		293369
RDX, DESENSITIZED	0483		293369
RDX, WETTED with not less than 15% water, by mass	0072		293369
RECEPTACLES, SMALL, CONTAINING GAS without a release device, non-refillable	2037		+++++
Red phosphorus: see	1338		280470
Reducing compound: see	1263		381400
Reducing compound: see	3066		381400
Reducing compound: see	3469		381400
Reducing compound: see	3470		381400
REFRIGERANT GAS, N.O.S.	1078		38247+
REFRIGERANT GAS R 12	1028		290342
REFRIGERANT GAS R 12B1	1974		290346
REFRIGERANT GAS R 13	1022		290341
REFRIGERANT GAS R 13B1	1009		290346
REFRIGERANT GAS R 14	1982		290339
REFRIGERANT GAS R 21	1029		290349
REFRIGERANT GAS R 22	1018		290349
REFRIGERANT GAS R 23	1984		290339
REFRIGERANT GAS R 32	3252		290339
REFRIGERANT GAS R 40	1063		290311
REFRIGERANT GAS R 41	2454		290339
REFRIGERANT GAS R 114	1958		290344
REFRIGERANT GAS R 115	1020		290344
REFRIGERANT GAS R 116	2193		290339
REFRIGERANT GAS R 124	1021		290349
REFRIGERANT GAS R 125	3220		290339
REFRIGERANT GAS R 133a	1983		290349
REFRIGERANT GAS R 134a	3159		290339
REFRIGERANT GAS R 142b	2517		290349
REFRIGERANT GAS R 143a	2035		290339
REFRIGERANT GAS R 152a	1030		290339
REFRIGERANT GAS R 161	2453		290339
REFRIGERANT GAS R 218	2424		290339

Name and description	UN No	Note	NHM Code
REFRIGERANT GAS R 227	3296		290339
REFRIGERANT GAS R 404A	3337		382474
REFRIGERANT GAS R 407A	3338		382474
REFRIGERANT GAS R 407B	3339		382474
REFRIGERANT GAS R 407C	3340		382474
REFRIGERANT GAS R 500	2602		382479
REFRIGERANT GAS R 502	1973		382479
REFRIGERANT GAS R 503	2599		382471
Refrigerant gas R 1113: see	1082		290345
REFRIGERANT GAS R 1132a	1959		290339
REFRIGERANT GAS R 1216	1858		290339
REFRIGERANT GAS R 1318	2422		290339
REFRIGERANT GAS RC 318	1976		290359
REFRIGERATING MACHINES containing flammable, non-toxic, liquefied gas	3358		8418++
REFRIGERATING MACHINES containing non-flammable, non-toxic gases or ammonia solutions (UN 2672)	2857		8418++
REGULATED MEDICAL WASTE, N.O.S.	3291		382530
RELEASE DEVICES, EXPLOSIVE	0173		360300
RESIN SOLUTION, flammable	1866		380690
RESORCINOL	2876		290721
RIVETS, EXPLOSIVE	0174		930690
Road oils at or above 100 °C and below its flash-point: see	3257		270600
Road oils with a flash-point above 60 °C, at or above its flash-point: see	3256		270600
Road oils with a flash-point not greater than 60 °C: see	1999		270600
ROCKET MOTORS	0186		930690
ROCKET MOTORS	0280		930690
ROCKET MOTORS	0281		930690
ROCKET MOTORS, LIQUID FUELLED	0395		930690
ROCKET MOTORS, LIQUID FUELLED	0396		930690
ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge	0250		930690
ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge	0322		930690
ROCKETS with bursting charge	0180		930690
ROCKETS with bursting charge	0181		930690
ROCKETS with bursting charge	0182		930690
ROCKETS with bursting charge	0295		930690
ROCKETS with expelling charge	0436		930690
ROCKETS with expelling charge	0437		930690
ROCKETS with expelling charge	0438		930690
ROCKETS with inert head	0183		930690
ROCKETS with inert head	0502		930690
ROCKETS, LINE-THROWING	0238		930690
ROCKETS, LINE-THROWING	0240		930690
ROCKETS, LINE-THROWING	0453		930690
ROCKETS, LIQUID FUELLED with bursting charge	0397		930690
ROCKETS, LIQUID FUELLED with bursting charge	0398		930690
ROSIN OIL	1286		380690
RUBBER SCRAP, powdered or granulated	1345		400400
RUBBER SHODDY, powdered or granulated	1345		400400
RUBBER SOLUTION	1287		400520
RUBIDIUM	1423		280519
RUBIDIUM HYDROXIDE	2678		282590
RUBIDIUM HYDROXIDE SOLUTION	2677		282590
Rubidium nitrate: see	1477		283429
SAMPLES, EXPLOSIVE, other than initiating explosive	0190		360200
SEAT-BELT PRETENSIONERS	0503		870895
SEAT-BELT PRETENSIONERS	3268		870895
SEED CAKE with more than 1.5% oil and not more than 11% moisture	1386		2306++
SEED CAKE with not more than 1.5% oil and not more than 11% moisture	2217		2306++
SELENATES	2630		284290
SELENIC ACID	1905		281119
SELENITES	2630		284290
SELENIUM COMPOUND, LIQUID, N.O.S.	3440		+++++
SELENIUM COMPOUND, SOLID, N.O.S.	3283		+++++
SELENIUM DISULPHIDE	2657		281390
SELENIUM HEXAFLUORIDE	2194		281290
SELENIUM OXYCHLORIDE	2879		281210
SELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.	3188		28++++
SELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.	3185		29++++
SELF-HEATING LIQUID, INORGANIC, N.O.S.	3186		28++++
SELF-HEATING LIQUID, ORGANIC, N.O.S.	3183		29++++
SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.	3187		28++++

Name and description	UN No.	Note	NHM Code
SELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.	3184		29++++
SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.	3192		28++++
SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	3126		29++++
SELF-HEATING SOLID, INORGANIC, N.O.S.	3190		28++++
SELF-HEATING SOLID, ORGANIC, N.O.S.	3088		29++++
SELF-HEATING SOLID, OXIDIZING, N.O.S.	3127	Prohibited	
SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	3191		28++++
SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	3128		29++++
SELF-REACTIVE LIQUID TYPE B	3221		+++++
SELF-REACTIVE LIQUID TYPE B, TEMPERATURE CONTROLLED	3231	Prohibited	
SELF-REACTIVE LIQUID TYPE C	3223		+++++
SELF-REACTIVE LIQUID TYPE C, TEMPERATURE CONTROLLED	3233	Prohibited	
SELF-REACTIVE LIQUID TYPE D	3225		+++++
SELF-REACTIVE LIQUID TYPE D, TEMPERATURE CONTROLLED	3235	Prohibited	
SELF-REACTIVE LIQUID TYPE E	3227		+++++
SELF-REACTIVE LIQUID TYPE E, TEMPERATURE CONTROLLED	3237	Prohibited	
SELF-REACTIVE LIQUID TYPE F	3229		+++++
SELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLLED	3239	Prohibited	
SELF-REACTIVE SOLID TYPE B	3222		+++++
SELF-REACTIVE SOLID TYPE B, TEMPERATURE CONTROLLED	3232	Prohibited	
SELF-REACTIVE SOLID TYPE C	3224		+++++
SELF-REACTIVE SOLID TYPE C, TEMPERATURE CONTROLLED	3234	Prohibited	
SELF-REACTIVE SOLID TYPE D	3226		+++++
SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED	3236	Prohibited	
SELF-REACTIVE SOLID TYPE E	3228		+++++
SELF-REACTIVE SOLID TYPE E, TEMPERATURE CONTROLLED	3238	Prohibited	
SELF-REACTIVE SOLID TYPE F	3230		+++++
SELF-REACTIVE SOLID TYPE F, TEMPERATURE CONTROLLED	3240	Prohibited	
SELF-REACTIVE SUBSTANCES (list)		2.2.41.4	+++++
SHALE OIL	1288		270900 274900
Shellac: see	1263		3208++
Shellac: see	3066		3208++
Shellac: see	3469		3208++
Shellac: see	3470		3208++
SIGNAL DEVICES, HAND	0191		360490
SIGNAL DEVICES, HAND	0373		360490
SIGNALS, DISTRESS, ship	0194		360490
SIGNALS, DISTRESS, ship	0195		360490
SIGNALS, DISTRESS, ship	0505		360490
SIGNALS, DISTRESS, ship	0506		360490
SIGNALS, RAILWAY TRACK, EXPLOSIVE	0192		360490
SIGNALS, RAILWAY TRACK, EXPLOSIVE	0193		360490
SIGNALS, RAILWAY TRACK, EXPLOSIVE	0492		360490
SIGNALS, RAILWAY TRACK, EXPLOSIVE	0493		360490
SIGNALS, SMOKE	0196		360490
SIGNALS, SMOKE	0197		360490
SIGNALS, SMOKE	0313		360490
SIGNALS, SMOKE	0487		360490
SIGNALS, SMOKE	0507		360490
SILANE	2203		285000
SILICON POWDER, AMORPHOUS	1346		280461 280469
SILICON TETRACHLORIDE	1818		281210
SILICON TETRAFLUORIDE	1859		281290
SILVER ARSENITE	1683		284329
SILVER CYANIDE	1684		284329
SILVER NITRATE	1493		284321
SILVER PICRATE, WETTED with not less than 30% water, by mass	1347		284329
SLUDGE ACID	1906		280700 382569
SODA LIME with more than 4% sodium hydroxide	1907		282590
SODIUM	1428		280511
Sodium aluminate, solid	2812	Exempt	284190
SODIUM ALUMINATE SOLUTION	1819		284190
SODIUM ALUMINIUM HYDRIDE	2835		285000
SODIUM AMMONIUM VANADATE	2863		284190
SODIUM ARSANILATE	2473		293100
SODIUM ARSENATE	1685		284290
SODIUM ARSENITE, AQUEOUS SOLUTION	1686		284290

Name and description	UN No.	Note	NHM Code
SODIUM ARSENITE, SOLID	2027		284290
SODIUM AZIDE	1687		285000
Sodium bifluoride: see	2439		282619
SODIUM BOROHYDRIDE	1426		285000
SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION, with not more than 12% sodium borohydride and not more than 40% sodium hydroxide by mass	3320		285000
SODIUM BROMATE	1494		282990
SODIUM CACODYLATE	1688		293100
SODIUM CARBONATE PEROXYHYDRATE	3378		288699
SODIUM CHLORATE	1495		282911
SODIUM CHLORATE, AQUEOUS SOLUTION	2428		282911
SODIUM CHLORITE	1496		282890
SODIUM CHLOROACETATE	2659		291540
SODIUM CUPROCYANIDE, SOLID	2316		283720
SODIUM CUPROCYANIDE SOLUTION	2317		283720
SODIUM CYANIDE, SOLID	1689		283711
SODIUM CYANIDE SOLUTION	3414		283711
SODIUM DINITRO- <i>o</i> -CRESOLATE, dry or wetted with less than 15% water, by mass	0234		290899
SODIUM DINITRO- <i>o</i> -CRESOLATE, WETTED with not less than 10% water, by mass	3369		290899
SODIUM DINITRO- <i>o</i> -CRESOLATE, WETTED with not less than 15% water, by mass	1348		290899
SODIUM DITHIONITE	1384		283110
SODIUM FLUORIDE, SOLID	1690		282619
SODIUM FLUORIDE SOLUTION	3415		282619
SODIUM FLUOROACETATE	2629		291590
SODIUM FLUOROSILICATE	2674		282620
Sodium hydrate: see	1824		281512
SODIUM HYDRIDE	1427		285000
SODIUM HYDROGENDIFLUORIDE	2439		282619
SODIUM HYDROSULPHIDE with less than 25% water of crystallization	2318		283010
SODIUM HYDROSULPHIDE, HYDRATED with not less than 25% water of crystallization	2949		283010
SODIUM HYDROSULPHITE	1384		283110
SODIUM HYDROXIDE, SOLID	1823		281511
SODIUM HYDROXIDE SOLUTION	1824		281512
Sodium metasilicate pentahydrate: see	3253		283911
SODIUM METHYLATE	1431		290519
SODIUM METHYLATE SOLUTION in alcohol	1289		290519
SODIUM MONOXIDE	1825		282590
SODIUM NITRATE	1498		310250
SODIUM NITRATE AND POTASSIUM NITRATE MIXTURE	1499		283429
SODIUM NITRITE	1500		283410
SODIUM PENTACHLOROPHENATE	2567		290819
SODIUM PERBORATE MONOHYDRATE	3377		284030
SODIUM PERCHLORATE	1502		282990
SODIUM PERMANGANATE	1503		284169
SODIUM PEROXIDE	1504		281530
SODIUM PEROXOBORATE, ANHYDROUS	3247		284030
SODIUM PERSULPHATE	1505		283340
SODIUM PHOSPHIDE	1432		284800
SODIUM PICRAMATE, dry or wetted with less than 20% water, by mass	0235		292229
SODIUM PICRAMATE, WETTED with not less than 20% water, by mass	1349		292229
SODIUM SULPHIDE with less than 30% water of crystallization	1385		283010
SODIUM SULPHIDE, ANHYDROUS	1385		283010
SODIUM SULPHIDE, HYDRATED with not less than 30% water	1849		283010
SODIUM SUPEROXIDE	2547		281530
SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S.	3244		+++++
SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C	3175		+++++
SOLIDS CONTAINING TOXIC LIQUID, N.O.S.	3243		+++++
SOUNDING DEVICES, EXPLOSIVE	0204		360490
SOUNDING DEVICES, EXPLOSIVE	0296		360490
SOUNDING DEVICES, EXPLOSIVE	0374		360490
SOUNDING DEVICES, EXPLOSIVE	0375		360490
Stain: see	1263		3208++
Stain: see	3066		3208++
Stain: see	3469		3208++
Stain: see	3470		3208++
Stain: see	3066		3208++
STANNIC CHLORIDE, ANHYDROUS	1827		282739
STANNIC CHLORIDE PENTAHYDRATE	2440		282739
STANNIC PHOSPHIDES	1433		284800
STIBINE	2676		285000

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Straw	1327	Exempt	121300
STRONTIUM ARSENITE	1691		284290
STRONTIUM CHLORATE	1506		282919
STRONTIUM NITRATE	1507		283429
STRONTIUM PERCHLORATE	1508		282990
STRONTIUM PEROXIDE	1509		281640
STRONTIUM PHOSPHIDE	2013		284800
STRYCHNINE	1692		293999
STRYCHNINE SALTS	1692		293999
STYPHNIC ACID, dry or wetted with less than 20% water, or mixture of alcohol and water, by mass	0219		290899
STYPHNIC ACID, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	0394		290899
STYRENE MONOMER, STABILIZED	2055		290250
SUBSTANCES, EVI, N.O.S.	0482		360200
SUBSTANCES, EXPLOSIVE, N.O.S.	0357		360200
SUBSTANCES, EXPLOSIVE, N.O.S.	0358		360200
SUBSTANCES, EXPLOSIVE, N.O.S.	0359		360200
SUBSTANCES, EXPLOSIVE, N.O.S.	0473	Prohibited	
SUBSTANCES, EXPLOSIVE, N.O.S.	0474		360200
SUBSTANCES, EXPLOSIVE, N.O.S.	0475		360200
SUBSTANCES, EXPLOSIVE, N.O.S.	0476		360200
SUBSTANCES, EXPLOSIVE, N.O.S.	0477		360200
SUBSTANCES, EXPLOSIVE, N.O.S.	0478		360200
SUBSTANCES, EXPLOSIVE, N.O.S.	0479		360200
SUBSTANCES, EXPLOSIVE, N.O.S.	0480		360200
SUBSTANCES, EXPLOSIVE, N.O.S.	0481		360200
SUBSTANCES, EXPLOSIVE, N.O.S.	0485		360200
SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE, N.O.S.	0482		360200
SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	2780		380893
SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	3014		380893
SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23	3013		380893
SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	2779		380893
SULPHAMIC ACID	2967		281119
SULPHUR	1350		250300 280200
SULPHUR CHLORIDES	1828		281210
SULPHUR DIOXIDE	1079		281129
SULPHUR HEXAFLUORIDE	1080		281290
SULPHURIC ACID with more than 51% acid	1830		280700
SULPHURIC ACID with not more than 51% acid	2796		280700
SULPHURIC ACID, FUMING	1831		280700
SULPHURIC ACID, SPENT	1832		280700 382569
SULPHUR, MOLTEN	2448		250300
SULPHUROUS ACID	1833		281119
SULPHUR TETRAFLUORIDE	2418		281290
SULPHUR TRIOXIDE, STABILIZED	1829		281129
SULPHURYL CHLORIDE	1834		281210
SULPHURYL FLUORIDE	2191		281290
Tars, liquid, including road oils, and cutback bitumens, at or above 100 °C and below its flash-point: see	3257		270600
Tars, liquid, including road oils, and cutback bitumens, with a flash-point above 60 °C, at or above its flash-point: see	3256		270600
TARS, LIQUID, including road oils, and cutback bitumens	1999		270600
TEAR GAS CANDLES	1700		930690
TEAR GAS SUBSTANCE, LIQUID, N.O.S.	1693		+++++
TEAR GAS SUBSTANCE, SOLID, N.O.S.	3448		+++++
TELLURIUM COMPOUND, N.O.S.	3284		28++++
TELLURIUM HEXAFLUORIDE	2195		281290
TERPENE HYDROCARBONS, N.O.S.	2319		290219
TERPINOLENE	2541		290219
TETRABROMOETHANE	2504		290339
1,1,2,2-TETRACHLOROETHANE	1702		290319
TETRACHLOROETHYLENE	1897		290323
TETRAETHYL DITHIOPYROPHOSPHATE	1704		292019
TETRAETHYLENEPENTAMINE	2320		292129
Tetraethyl lead: see	1649		381111
TETRAETHYL SILICATE	1292		292090
1,1,1,2-TETRAFLUOROETHANE	3159		290339
TETRAFLUOROETHYLENE, STABILIZED	1081		290339
TETRAFLUOROMETHANE	1982		290339
1,2,3,6-TETRAHYDROBENZALDEHYDE	2498		291229

Name and description	UN No.	Note	NHM Code
TETRAHYDROFURAN	2056		293211
TETRAHYDROFURFURYLAMINE	2943		293219
TETRAHYDROPHthalic ANHYDRIDES with more than 0.05% of maleic anhydride	2698		293499
1,2,3,6-TETRAHYDROPYRIDINE	2410		293339
TETRAHYDROTHIOPHENE	2412		293499
Tetramethoxysilane: see	2606		292090
TETRAMETHYLAMMONIUM HYDROXIDE, SOLID	3423		292390
TETRAMETHYLAMMONIUM HYDROXIDE SOLUTION	1835		292390
Tetramethyl lead: see	1649		381111
TETRAMETHYLSILANE	2749		293100
TETRANITROANILINE	0207		292142
TETRANITROMETHANE	1510		290420
TETRAPROPYL ORTHOTITANATE	2413		292090
TETRAZENE, WETTED with not less than 30% water, or mixture of alcohol and water, by mass	0114	Prohibited	
TETRAZOL-1-ACETIC ACID	0407		293399
1H-TETRAZOLE	0504		293399
TETRYL	0208		292149
Textile waste, wet	1857	Exempt	5+++++
THALLIUM CHLORATE	2573		282990
THALLIUM COMPOUND, N.O.S.	1707		+++++
THALLIUM NITRATE	2727		283429
4-THIAPENTANAL	2785		293090
Thia-4-pentanal: see	2785		293090
THIOACETIC ACID	2436		293090
THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	2772		380893
THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	3006		380893
THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	3005		380893
THIOCARBAMATE PESTICIDE, SOLID, TOXIC	2771		380893
THIOGLYCOL	2966		293090
THIOGLYCOLIC ACID	1940		293090
THIOLACTIC ACID	2936		293090
THIONYL CHLORIDE	1836		281210
THIOPHENE	2414		293499
THIOPHOSGENE	2474		293090
THIOPHOSPHORYL CHLORIDE	1837		281210
THIOUREA DIOXIDE	3341		293090
TINCTURES, MEDICINAL	1293		300490
TITANIUM DISULPHIDE	3174		283090
TITANIUM HYDRIDE	1871		285000
TITANIUM POWDER, DRY	2546		810820
TITANIUM POWDER, WETTED with not less than 25% water	1352		810820
TITANIUM SPONGE GRANULES	2878		810820
TITANIUM SPONGE POWDERS	2878		810820
TITANIUM TETRACHLORIDE	1838		282739
TITANIUM TRICHLORIDE MIXTURE	2869		282739
TITANIUM TRICHLORIDE MIXTURE, PYROPHORIC	2441		282739
TITANIUM TRICHLORIDE, PYROPHORIC	2441		282739
TNT AND HEXANITROSTILBENE MIXTURE	0388		290420
TNT AND TRINITROBENZENE MIXTURE	0388		290420
TNT, dry or wetted with less than 30% water, by mass	0209		290420
TNT MIXTURE CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE	0389		290420
TNT, WETTED with not less than 10% water, by mass	3366		290420
TNT, WETTED with not less than 30% water, by mass	1356		290420
TOLUENE	1294		290230 270720
TOLUENE DIISOCYANATE	2078		292910
TOLUIDINES, LIQUID	1708		292143
TOLUIDINES, SOLID	3451		292143
2,4-TOLUYLENEDIAMINE, SOLID	1709		292151
2,4-TOLUYLENEDIAMINE SOLUTION	3418		292151
TORPEDOES with bursting charge	0329		930690
TORPEDOES with bursting charge	0330		930690
TORPEDOES with bursting charge	0451		930690
TORPEDOES, LIQUID FUELLED with inert head	0450		930690
TORPEDOES, LIQUID FUELLED with or without bursting charge	0449		930690
TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3390		+++++
TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3389		+++++

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TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3488		+++++
TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3489		+++++
TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3383		+++++
TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3384		+++++
TOXIC BY INHALATION LIQUID, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3382		+++++
TOXIC BY INHALATION LIQUID, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3381		+++++
TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3387		+++++
TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3388		+++++
TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3490		+++++
TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3491		+++++
TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. with an LC ₅₀ lower than or equal to 1000 ml/m ³ and saturated vapour concentration greater than or equal to 10 LC ₅₀	3386		+++++
TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. with an LC ₅₀ lower than or equal to 200 ml/m ³ and saturated vapour concentration greater than or equal to 500 LC ₅₀	3385		+++++
TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	3289		28++++
TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	2927		29++++
TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	2929		29++++
TOXIC LIQUID, INORGANIC, N.O.S.	3287		28++++
TOXIC LIQUID, ORGANIC, N.O.S.	2810		29++++
TOXIC LIQUID, OXIDIZING, N.O.S.	3122		+++++
TOXIC LIQUID, WATER-REACTIVE, N.O.S.	3123		+++++
TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	3290		28++++
TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	2928		29++++
TOXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.	2930		29++++
TOXIC SOLID, INORGANIC, N.O.S.	3288		28++++
TOXIC SOLID, ORGANIC, N.O.S.	2811		29++++
TOXIC SOLID, OXIDIZING, N.O.S.	3086		+++++
TOXIC SOLID, SELF-HEATING, N.O.S.	3124		+++++
TOXIC SOLID, WATER-REACTIVE, N.O.S.	3125		+++++
TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	3172		300290
TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	3462		300290
TRACERS FOR AMMUNITION	0212		360490
TRACERS FOR AMMUNITION	0306		360490
Tremolite: see	2590		252490
TRIALLYLAMINE	2610		292119
TRIALLYL BORATE	2609		292090
TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash-point less than 23 °C	2764		3808++
TRIAZINE PESTICIDE, LIQUID, TOXIC	2998		3808++
TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash-point not less than 23 °C	2997		3808++
TRIAZINE PESTICIDE, SOLID, TOXIC	2763		3808++
TRIBUTYLAMINE	2542		292119
TRIBUTYLPHOSPHANE	3254		293100
TRICHLOROACETIC ACID	1839		291540
TRICHLOROACETIC ACID SOLUTION	2564		291540
TRICHLOROACETYL CHLORIDE	2442		291590
TRICHLOROBENZENES, LIQUID	2321		290369
TRICHLOROBUTENE	2322		290329
1,1,1-TRICHLOROETHANE	2831		290319
TRICHLOROETHYLENE	1710		290322
TRICHLOROISOCYANURIC ACID, DRY	2468		293369
TRICHLOROSILANE	1295		281290
TRICRESYL PHOSPHATE with more than 3% ortho isomer	2574		291990
TRIETHYLAMINE	1296		292119
TRIETHYLENETETRAMINE	2259		292129
TRIETHYL PHOSPHITE	2323		292090
TRIFLUOROACETIC ACID	2699		291590
TRIFLUOROACETYL CHLORIDE	3057		291590
TRIFLUOROCHLOROETHYLENE, STABILIZED	1082		290345

Name and description	UN No.	Note	NHM Code
1,1,1-TRIFLUOROETHANE	2035		290339
TRIFLUOROMETHANE	1984		290339
TRIFLUOROMETHANE, REFRIGERATED LIQUID	3136		290339
2-TRIFLUOROMETHYLANILINE	2942		292143
3-TRIFLUOROMETHYLANILINE	2948		292143
TRIIISOBUTYLENE	2324		290129
TRIIISOPROPYL BORATE	2616		292090
TRIMETHYLACETYL CHLORIDE	2438		291590
TRIMETHYLAMINE, ANHYDROUS	1083		292111
TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	1297		292111
1,3,5-TRIMETHYLBENZENE	2325		290290
TRIMETHYL BORATE	2416		292090
TRIMETHYLCHLOROSILANE	1298		293100
TRIMETHYLCYCLO-HEXYLAMINE	2326		292130
TRIMETHYLHEXAMETHYLENEDIAMINES	2327		292129
TRIMETHYLHEXAMETHYLENE DIISOCYANATE	2328		292910
TRIMETHYL PHOSPHITE	2329		292090
TRINITROANILINE	0153		292142
TRINITROANISOLE	0213		290930
TRINITROBENZENE, dry or wetted with less than 30% water, by mass	0214		290420
TRINITROBENZENE, WETTED with not less than 10% water, by mass	3367		290420
TRINITROBENZENE, WETTED with not less than 30% water, by mass	1354		290420
TRINITROBENZENESULPHONIC ACID	0386		290490
TRINITROBENZOIC ACID, dry or wetted with less than 30% water, by mass	0215		291639
TRINITROBENZOIC ACID, WETTED with not less than 10% water, by mass	3368		291639
TRINITROBENZOIC ACID, WETTED with not less than 30% water, by mass	1355		291639
TRINITROCHLOROBENZENE	0155		290490
TRINITROCHLOROBENZENE WETTED with not less than 10% water, by mass	3365		290490
TRINITRO-m-CRESOL	0216		290899
TRINITROFLUORENONE	0387		291470
TRINITRONAPHTHALENE	0217		290420
TRINITROPHENETOLE	0218		290899
TRINITROPHENOL, dry or wetted with less than 30% water, by mass	0154		290899
TRINITROPHENOL WETTED with not less than 10% water, by mass	3364		290899
TRINITROPHENOL, WETTED with not less than 30% water, by mass	1344		290899
TRINITROPHENYLMETHYLNITRAMINE	0208		292149
TRINITRORESORCINOL, dry or wetted with less than 20% water, or mixture of alcohol and water, by mass	0219		290899
TRINITRORESORCINOL, WETTED with not less than 20% water, or mixture of alcohol and water, by mass	0394		290899
TRINITROTOLUENE AND HEXANITROSTILBENE MIXTURE	0388		290420
TRINITROTOLUENE AND TRINITROBENZENE MIXTURE	0388		290420
TRINITROTOLUENE, dry or wetted with less than 30% water, by mass	0209		290420
TRINITROTOLUENE MIXTURE CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE	0389		290420
TRINITROTOLUENE, WETTED with not less than 10% water, by mass	3366		290420
TRINITROTOLUENE, WETTED with not less than 30% water, by mass	1356		290420
TRIPROPYLAMINE	2260		292119
TRIPROPYLENE	2057		290129
TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	2501		293399
TRITONAL	0390		360200
TUNGSTEN HEXAFLUORIDE	2196		282619
TURPENTINE	1299		380510
TURPENTINE SUBSTITUTE	1300		272100
UNDECANE	2330		290110
UREA HYDROGEN PEROXIDE	1511		292419
UREA NITRATE, dry or wetted with less than 20% water, by mass	0220		292419
UREA NITRATE, WETTED with not less than 10% water, by mass	3370		292419
UREA NITRATE, WETTED with not less than 20% water, by mass	1357		292419
VALERALDEHYDE	2058		291219
VALERYL CHLORIDE	2502		291590
VANADIUM COMPOUND, N.O.S.	3285		+++++
VANADIUM OXYTRICHLORIDE	2443		282749
VANADIUM PENTOXIDE, non-fused form	2862		282530
VANADIUM TETRACHLORIDE	2444		282739
VANADIUM TRICHLORIDE	2475		282739
VANADYL SULPHATE	2931		283329
Varnish: see	1263		3208++
Varnish: see	3066		3208++
Varnish: see	3469		3208++
Varnish: see	3470		3208++
Vehicle under coating: see	1139		3208++
VINYL ACETATE, STABILIZED	1301		291532

Name and description	UN No.	Note	NHM Code
Vinylbenzene: see	2055		290250
VINYL BROMIDE, STABILIZED	1085		290339
VINYL BUTYRATE, STABILIZED	2838		291560
VINYL CHLORIDE, STABILIZED	1086		290321
VINYL CHLOROACETATE	2589		291540
VINYL ETHYL ETHER, STABILIZED	1302		290919
VINYL FLUORIDE, STABILIZED	1860		290339
VINYLDENE CHLORIDE, STABILIZED	1303		290329
VINYL ISOBUTYL ETHER, STABILIZED	1304		290919
VINYL METHYL ETHER, STABILIZED	1087		290919
VINYLPYRIDINES, STABILIZED	3073		293339
VINYLTOLUENES, STABILIZED	2618		290290
VINYLTRICHLOROSILANE	1305		293100
WARHEADS, ROCKET with burster or expelling charge	0370		930690
WARHEADS, ROCKET with burster or expelling charge	0371		930690
WARHEADS, ROCKET with bursting charge	0286		930690
WARHEADS, ROCKET with bursting charge	0287		930690
WARHEADS, ROCKET with bursting charge	0369		930690
WARHEADS, TORPEDO with bursting charge	0221		930690
Wastes containing flammable liquid, n.o.s. having a flash-point up to 60 °C: see	3175		+++++
WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	3129		+++++
WATER-REACTIVE LIQUID, N.O.S.	3148		+++++
WATER-REACTIVE LIQUID, TOXIC, N.O.S.	3130		+++++
WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	3131		+++++
WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	3132		+++++
WATER-REACTIVE SOLID, N.O.S.	2813		+++++
WATER-REACTIVE SOLID, OXIDIZING, N.O.S.	3133	Prohibited	
WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	3135		+++++
WATER-REACTIVE SOLID, TOXIC, N.O.S.	3134		+++++
WHITE ASBESTOS	2590		252490
White spirit: see	1300		272100
WOOD PRESERVATIVES, LIQUID	1306		+++++
Wool waste, wet	1387	Exempt	5++++
XANTHATES	3342		293090
XENON	2036		280429
XENON, REFRIGERATED LIQUID	2591		280429
XYLENES	1307		29024+ 270730
XYLENOLS, LIQUID	3430		290719
XYLENOLS, SOLID	2261		290719
XYLIDINES, LIQUID	1711		292149
XYLIDINES, SOLID	3452		292149
XYLYL BROMIDE, LIQUID	1701		290369
XYLYL BROMIDE, SOLID	3417		290369
ZINC AMMONIUM NITRITE	1512		283410
ZINC ARSENATE	1712		284290
ZINC ARSENATE AND ZINC ARSENITE MIXTURE	1712		284290
ZINC ARSENITE	1712		284290
ZINC ASHES	1435		262019
ZINC BROMATE	2469		282990
ZINC CHLORATE	1513		282919
ZINC CHLORIDE, ANHYDROUS	2331		282739
ZINC CHLORIDE SOLUTION	1840		282739
ZINC CYANIDE	1713		283719
ZINC DITHIONITE	1931		283190
ZINC DUST	1436		790310
ZINC FLUOROSILICATE	2855		282690
ZINC HYDROSULPHITE	1931		283190
ZINC NITRATE	1514		283429
ZINC PERMANGANATE	1515		284169
ZINC PEROXIDE	1516		281700
ZINC PHOSPHIDE	1714		284800
ZINC POWDER	1436		790310
ZINC RESINATE	2714		380620
ZIRCONIUM, DRY, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	2858		810990
ZIRCONIUM, DRY, finished sheets, strip or coiled wire	2009		810990
ZIRCONIUM HYDRIDE	1437		285000
ZIRCONIUM NITRATE	2728		283429
ZIRCONIUM PICRAMATE, dry or wetted with less than 20% water, by mass	0236		292229

Name and description	UN No.	Note	NHM Code
ZIRCONIUM PICRAMATE, WETTED with not less than 20% water, by mass	1517		292229
ZIRCONIUM POWDER, DRY	2008		810920
ZIRCONIUM POWDER, WETTED with not less than 25% water	1358		810920
ZIRCONIUM SCRAP	1932		810930
ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID	1308		810920
ZIRCONIUM TETRACHLORIDE	2503		282739

Chapter 3.3 Special provisions applicable to certain articles or substances

3.3.1 When Column (6) of Table A of Chapter 3.2 indicates that a special provision is relevant to a substance or article, the meaning and requirements of that special provision are as set forth below.

- 16** Samples of new or existing explosive substances or articles may be carried as directed by the competent authorities (see 2.2.1.1.3) for purposes including: testing, classification, research and development, quality control, or as a commercial sample. Explosive samples which are not wetted or desensitized shall be limited to 10 kg in small packages as specified by the competent authorities. Explosive samples which are wetted or desensitized shall be limited to 25 kg.
- 23** Even though this substance has a flammability hazard, it only exhibits such hazard under extreme fire conditions in confined areas.
- 32** This substance is not subject to the requirements of RID when in any other form.
- 37** This substance is not subject to the requirements of RID when coated.
- 38** This substance is not subject to the requirements of RID when it contains not more than 0.1% calcium carbide.
- 39** This substance is not subject to the requirements of RID when it contains less than 30% or not less than 90% silicon.
- 43** When offered for carriage as pesticides, these substances shall be carried under the relevant pesticide entry and in accordance with the relevant pesticide provisions (see 2.2.61.1.10 to 2.2.61.1.11.2).
- 45** Antimony sulphides and oxides which contain not more than 0.5% of arsenic calculated on the total mass are not subject to the requirements of RID.
- 47** Ferricyanides and ferrocyanides are not subject to the requirements of RID.
- 48** The carriage of this substance, when it contains more than 20% hydrocyanic acid, is prohibited.
- 59** These substances are not subject to the requirements of RID when they contain not more than 50% magnesium.
- 60** If the concentration is more than 72%, the carriage of this substance is prohibited.
- 61** The technical name which shall supplement the proper shipping name shall be the ISO common name (see also ISO 1750:1981 "*Pesticides and other agrochemicals - common names*", as amended), other name listed in the WHO "*Recommended Classification of Pesticides by Hazard and Guidelines to Classification*" or the name of the active substance (see also 3.1.2.8.1 and 3.1.2.8.1.1).
- 62** This substance is not subject to the requirements of RID when it contains not more than 4% sodium hydroxide.
- 65** Hydrogen peroxide aqueous solutions with less than 8% hydrogen peroxide are not subject to the requirements of RID.
- 103** The carriage of ammonium nitrites and mixtures of an inorganic nitrite with an ammonium salt is prohibited.
- 105** Nitrocellulose meeting the descriptions of UN No. 2556 or UN No. 2557 may be classified in Class 4.1.
- 113** The carriage of chemically unstable mixtures is prohibited.
- 119** Refrigerating machines include machines or other appliances which have been designed for the specific purpose of keeping food or other items at a low temperature in an internal compartment, and air conditioning units. Refrigerating machines and refrigerating machine components are not subject to the provisions of RID if they contain less than 12 kg of gas in Class 2, group A or O according to 2.2.2.1.3, or if they contain less than 12 litres ammonia solution (UN No. 2672).
- 122** The subsidiary risks and the UN number (generic entry) for each of the currently assigned organic peroxide formulations are given in 2.2.52.4.
- 123** (Reserved)

- 127 Other inert material or inert material mixture may be used, provided this inert material has identical phlegmatizing properties.
- 131 The phlegmatized substance shall be significantly less sensitive than dry PETN.
- 135 The dihydrated sodium salt of dichloroisocyanuric acid is not subject to the requirements of RID.
- 138 p-Bromobenzyl cyanide is not subject to the requirements of RID.
- 141 Products which have undergone sufficient heat treatment so that they present no hazard during carriage are not subject to the requirements of RID.
- 142 Solvent extracted soya bean meal containing not more than 1.5% oil and 11% moisture, which is substantially free of flammable solvent, is not subject to the requirements of RID.
- 144 An aqueous solution containing not more than 24% alcohol by volume is not subject to the requirements of RID.
- 145 Alcoholic beverages of packing group III, when carried in receptacles of 250 litres or less, are not subject to the requirements of RID.
- 152 The classification of this substance will vary with particle size and packaging, but borderlines have not been experimentally determined. Appropriate classifications shall be made in accordance with 2.2.1.
- 153 This entry applies only if it is demonstrated, on the basis of tests, that the substances when in contact with water are not combustible nor show a tendency to auto-ignition and that the mixture of gases evolved is not flammable.
- 162 (Deleted)
- 163 A substance mentioned by name in Table A of Chapter 3.2 shall not be carried under this entry. Substances carried under this entry may contain 20% or less nitrocellulose provided the nitrocellulose contains not more than 12.6% nitrogen (by dry mass).
- 168 Asbestos which is immersed or fixed in a natural or artificial binder (such as cement, plastics, asphalt, resins or mineral ore) in such a way that no escape of hazardous quantities of respirable asbestos fibres can occur during carriage is not subject to the requirements of RID. Manufactured articles containing asbestos and not meeting this provision are nevertheless not subject to the requirements of RID when packed so that no escape of hazardous quantities of respirable asbestos fibres can occur during carriage.
- 169 Phthalic anhydride in the solid state and tetrahydrophthalic anhydrides, with not more than 0.05% maleic anhydride, are not subject to the requirements of RID. Phthalic anhydride molten at a temperature above its flash-point, with not more than 0.05% maleic anhydride, shall be classified under UN No. 3256.
- 172 For radioactive material with a subsidiary risk:
- (a) The packages shall be labelled with a label corresponding to each subsidiary risk exhibited by the material; corresponding placards shall be affixed to wagons or large containers in accordance with the relevant provisions of 5.3.1;
 - (b) The radioactive material shall be allocated to packing groups I, II or III, as and if appropriate, by application of the grouping criteria provided in Part 2 corresponding to the nature of the predominant subsidiary risk.
- The description required in 5.4.1.2.5.1 (b) shall include a description of these subsidiary risks (e.g. "SUBSIDIARY RISK: 3, 6.1"), the name of the constituents which most predominantly contribute to this (these) subsidiary risk(s), and where applicable, the packing group. For packing, see also 4.1.9.1.5.
- 177 Barium sulphate is not subject to the requirements of RID.
- 178 This designation shall be used only when no other appropriate designation exists in Table A of Chapter 3.2, and only with the approval of the competent authority of the country of origin (see 2.2.1.1.3).
- 181 Packages containing this type of substance shall bear a label conforming to model No. 1 (see 5.2.2.2.2) unless the competent authority of the country of origin has permitted this label to be dispensed with for the specific packaging employed because test data have proved that the substance in this packaging does not exhibit explosive behaviour (see 5.2.2.1.9).
- 182 The group of alkali metals includes lithium, sodium, potassium, rubidium and caesium.
- 183 The group of alkaline earth metals includes magnesium, calcium, strontium and barium.

- 186** In determining the ammonium nitrate content, all nitrate ions for which a molecular equivalent of ammonium ions is present in the mixture shall be calculated as ammonium nitrate.
- 188** Cells and batteries offered for carriage are not subject to other provisions of RID if they meet the following:
- (a) For a lithium metal or lithium alloy cell, the lithium content is not more than 1 g, and for a lithium-ion cell, the Watt-hour rating is not more than 20 Wh;
 - (b) For a lithium metal or lithium alloy battery the aggregate lithium content is not more than 2 g, and for a lithium-ion battery, the Watt-hour rating is not more than 100 Wh. Lithium ion batteries subject to this provision shall be marked with the Watt-hour rating on the outside case, except those manufactured before 1 January 2009;
 - (c) Each cell or battery meets the provisions of 2.2.9.1.7 (a) and (e);
 - (d) Cells and batteries, except when installed in equipment, shall be packed in inner packagings that completely enclose the cell or battery. Cells and batteries shall be protected so as to prevent short circuits. This includes protection against contact with conductive materials within the same packaging that could lead to a short circuit. The inner packagings shall be packed in strong outer packagings which conform to the provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.5;
 - (e) Cells and batteries when installed in equipment shall be protected from damage and short circuit, and the equipment shall be equipped with an effective means of preventing accidental activation. This requirement does not apply to devices which are intentionally active in carriage (radio frequency identification (RFID) transmitters, watches, sensors, etc.) and which are not capable of generating a dangerous evolution of heat. When batteries are installed in equipment, the equipment shall be packed in strong outer packagings constructed of suitable material of adequate strength and design in relation to the packaging's capacity and its intended use unless the battery is afforded equivalent protection by the equipment in which it is contained;
 - (f) Except for packages containing button cell batteries installed in equipment (including circuit boards), or no more than four cells installed in equipment or no more than two batteries installed in equipment, each package shall be marked with the following:
 - (i) an indication that the package contains "LITHIUM METAL" or "LITHIUM ION" cells or batteries, as appropriate;
 - (ii) an indication that the package shall be handled with care and that a flammability hazard exists if the package is damaged;
 - (iii) an indication that special procedures shall be followed in the event the package is damaged, to include inspection and repacking if necessary; and
 - (iv) a telephone number for additional information;
 - (g) Each consignment of one or more packages marked in accordance with paragraph (f) shall be accompanied with a document including the following:
 - (i) an indication that the package contains "LITHIUM METAL" or "LITHIUM ION" cells or batteries, as appropriate;
 - (ii) an indication that the package shall be handled with care and that a flammability hazard exists if the package is damaged;
 - (iii) an indication that special procedures shall be followed in the event the package is damaged, to include inspection and repacking if necessary; and
 - (iv) a telephone number for additional information;
 - (h) Except when batteries are installed in equipment, each package shall be capable of withstanding a 1.2 m drop test in any orientation without damage to cells or batteries contained therein, without shifting of the contents so as to allow battery to battery (or cell to cell) contact and without release of contents; and
 - (i) Except when batteries are installed in or packed with equipment, packages shall not exceed 30 kg gross mass.

As used above and elsewhere in RID, "lithium content" means the mass of lithium in the anode of a lithium metal or lithium alloy cell.

Separate entries exist for lithium metal batteries and lithium ion batteries to facilitate the carriage of these batteries for specific modes of carriage and to enable the application of different emergency response actions.

- 190** Aerosol dispensers shall be provided with protection against inadvertent discharge. Aerosols with a capacity not exceeding 50 ml containing only non-toxic constituents are not subject to the requirements of RID.
- 191** Receptacles, small, with a capacity not exceeding 50 ml, containing only non-toxic constituents are not subject to the requirements of RID.

- 194** The UN number (generic entry) for each of the currently assigned self-reactive substances is given in 2.2.41.4.
- 196** Formulations which in laboratory testing neither detonate in the cavitated state nor deflagrate, which show no effect when heated under confinement and which exhibit no explosive power may be carried under this entry. The formulation must also be thermally stable (i.e. the SADT is 60 °C or higher for a 50 kg package). Formulations not meeting these criteria shall be carried under the provisions of Class 5.2, (see 2.2.52.4).
- 198** Nitrocellulose solutions containing not more than 20% nitrocellulose may be carried as paint, perfumery products or printing ink, as applicable (see UN Nos. 1210, 1263, 1266, 3066, 3469 and 3470).
- 199** Lead compounds which, when mixed in a ratio of 1:1000 with 0.07M hydrochloric acid and stirred for one hour at a temperature of 23 °C ± 2 °C, exhibit a solubility of 5% or less (see ISO 3711:1990 "Lead chromate pigments and lead chromate – molybdate pigments – Specifications and methods of test") are considered insoluble and are not subject to the requirements of RID unless they meet the criteria for inclusion in another class.
- 201** Lighters and lighter refills shall comply with the provisions of the country in which they were filled. They shall be provided with protection against inadvertent discharge. The liquid portion of the gas shall not exceed 85% of the capacity of the receptacle at 15 °C. The receptacles, including the closures, shall be capable of withstanding an internal pressure of twice the pressure of the liquefied petroleum gas at 55 °C. The valve mechanisms and ignition devices shall be securely sealed, taped or otherwise fastened or designed to prevent operation or leakage of the contents during carriage. Lighters shall not contain more than 10 g of liquefied petroleum gas. Lighter refills shall not contain more than 65 g of liquefied petroleum gas.
- NOTE:** For waste lighters collected separately see Chapter 3.3, special provision 654.
- 203** This entry shall not be used for polychlorinated biphenyls, liquid, UN No. 2315 and polychlorinated biphenyls, solid, UN No. 3432.
- 204** (Deleted)
- 205** This entry shall not be used for UN No. 3155 PENTACHLOROPHENOL.
- 207** Polymeric beads and plastics moulding compounds may be made from polystyrene, poly(methyl methacrylate) or other polymeric material.
- 208** The commercial grade of calcium nitrate fertilizer, when consisting mainly of a double salt (calcium nitrate and ammonium nitrate) containing not more than 10% ammonium nitrate and at least 12% water of crystallization, is not subject to the requirements of RID.
- 210** Toxins from plant, animal or bacterial sources which contain infectious substances, or toxins that are contained in infectious substances, shall be classified in Class 6.2.
- 215** This entry only applies to the technically pure substance or to formulations derived from it having an SADT higher than 75 °C and therefore does not apply to formulations which are self-reactive substances (for self-reactive substances, see 2.2.41.4).
- Homogeneous mixtures containing not more than 35% by mass of azodicarbonamide and at least 65% of inert substance are not subject to the requirements of RID unless criteria of other classes are met.
- 216** Mixtures of solids which are not subject to the requirements of RID and flammable liquids may be carried under this entry without first applying the classification criteria of Class 4.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging, wagon or container is closed. Sealed packets and articles containing less than 10 ml of a packing group II or III flammable liquid absorbed into a solid material are not subject to RID provided there is no free liquid in the packet or article.
- 217** Mixtures of solids which are not subject to the requirements of RID and toxic liquids may be carried under this entry without first applying the classification criteria of Class 6.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging, wagon or container is closed. This entry shall not be used for solids containing a packing group I liquid.
- 218** Mixtures of solids which are not subject to the requirements of RID and corrosive liquids may be carried under this entry without first applying the classification criteria of Class 8, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging, wagon or container is closed.

- 219** Genetically modified microorganisms (GMMOs) and genetically modified organisms (GMOs) packed and marked in accordance with packing instruction P 904 of 4.1.4.1 are not subject to any other requirements of RID.
- If GMMOs or GMOs meet the criteria for inclusion in Class 6.1 or 6.2 (see 2.2.61.1 and 2.2.62.1) the requirements in RID for the carriage of toxic substances or infectious substances apply.
- 220** Only the technical name of the flammable liquid component of this solution or mixture shall be shown in parentheses immediately following the proper shipping name.
- 221** Substances included under this entry shall not be of packing group I.
- 224** Unless it can be demonstrated by testing that the sensitivity of the substance in its frozen state is no greater than in its liquid state, the substance shall remain liquid during normal transport conditions. It shall not freeze at temperatures above -15 °C.
- 225** Fire extinguishers under this entry may include installed actuating cartridges (cartridges, power device of classification code 1.4C or 1.4S), without changing the classification of Class 2, group A or O according to 2.2.2.1.3 provided the total quantity of deflagrating (propellant) explosives does not exceed 3.2 g per extinguishing unit.
- 226** Formulations of this substance containing not less than 30% non-volatile, non-flammable phlegmatizer are not subject to the requirements of RID.
- 227** When phlegmatized with water and inorganic inert material the content of urea nitrate may not exceed 75% by mass and the mixture shall not be capable of being detonated by the Series 1, type (a), test in the Manual of Tests and Criteria, Part I.
- 228** Mixtures not meeting the criteria for flammable gases (see 2.2.2.1.5) shall be carried under UN No. 3163.
- 230** Lithium cells and batteries may be carried under this entry if they meet the provisions of 2.2.9.1.7.
- 235** This entry applies to articles which contain Class 1 explosive substances and which may also contain dangerous goods of other classes. These articles are used as life-saving vehicle air bag inflators or air bag modules or seat-belt pretensioners.
- 236** Polyester resin kits consist of two components: a base material (Class 3, packing group II or III) and an activator (organic peroxide). The organic peroxide shall be type D, E or F, not requiring temperature control. Packing group shall be II or III, according to the criteria for Class 3, applied to the base material. The quantity limit referred to in column (7a) of Table A of Chapter 3.2 applies to the base material.
- 237** The membrane filters, including paper separators, coating or backing materials, etc., that are present in carriage, shall not be liable to propagate a detonation as tested by one of the tests described in the Manual of Tests and Criteria, Part I, Test series 1 (a).
- In addition the competent authority may determine, on the basis of the results of suitable burning rate tests taking account of the standard tests in the Manual of Tests and Criteria, Part III, sub-section 33.2.1, that nitrocellulose membrane filters in the form in which they are to be carried are not subject to the requirements applicable to flammable solids in Class 4.1.
- 238** (a) Batteries can be considered as non-spillable, provided that they are capable of withstanding the vibration and pressure differential tests given below, without leakage of battery fluid.
- Vibration test:** The battery is rigidly clamped to the platform of a vibration machine and a simple harmonic motion having an amplitude of 0.8 mm (1.6 mm maximum total excursion) is applied. The frequency is varied at the rate of 1 Hz/min between the limits of 10 Hz and 55 Hz. The entire range of frequencies and return is traversed in 95 ± 5 minutes for each mounting position (direction of vibration) of the battery. The battery is tested in three mutually perpendicular positions (to include testing with fill openings and vents, if any, in an inverted position) for equal time periods.
- Pressure differential test:** Following the vibration test, the battery is stored for six hours at $24\text{ °C} \pm 4\text{ °C}$ while subjected to a pressure differential of at least 88 kPa. The battery is tested in three mutually perpendicular positions (to include testing with fill openings and vents, if any, in an inverted position) for at least six hours in each position.
- (b) Non-spillable batteries are not subject to the requirements of RID if, at a temperature of 55 °C, the electrolyte will not flow from a ruptured or cracked case and there is no free liquid to flow and if, as packaged for carriage, the terminals are protected from short circuit.

- 239** Batteries or cells shall not contain dangerous substances other than sodium, sulphur or sodium compounds (e.g. sodium polysulphides and sodium tetrachloroaluminate). Batteries or cells shall not be offered for carriage at a temperature such that liquid elemental sodium is present in the battery or cell unless approved and under the conditions established by the competent authority of the country of origin. If the country of origin is not an RID Contracting State, the approval and conditions of carriage shall be recognized by the competent authority of the first RID Contracting State reached by the consignment.

Cells shall consist of hermetically sealed metal casings which fully enclose the dangerous substances and which are so constructed and closed as to prevent the release of the dangerous substances under normal conditions of carriage.

Batteries shall consist of cells secured within and fully enclosed by a metal casing so constructed and closed as to prevent the release of the dangerous substances under normal conditions of carriage.

- 240** See the last NOTE in 2.2.9.1.7.

- 241** The formulation shall be prepared so that it remains homogeneous and does not separate during carriage. Formulations with low nitrocellulose contents and not showing dangerous properties when tested for their liability to detonate, deflagrate or explode when heated under defined confinement by tests of Test series 1 (a), 2 (b) and 2 (c) respectively in the Manual of Tests and Criteria, Part I and not being a flammable solid when tested in accordance with test No. 1 in the Manual of Tests and Criteria, Part III, sub-section 33.2.1.4 (chips, if necessary, crushed and sieved to a particle size of less than 1.25 mm) are not subject to the requirements of RID.

- 242** Sulphur is not subject to the requirements of RID when it has been formed to a specific shape (e.g. prills, granules, pellets, pastilles or flakes).

- 243** Gasoline, motor spirit and petrol for use in spark-ignition engines (e.g. in automobiles, stationary engines and other engines) shall be assigned to this entry regardless of variations in volatility.

- 244** This entry includes e.g. aluminium dross, aluminium skimmings, spent cathodes, spent potliner, and aluminium salt slags.

- 247** Alcoholic beverages containing more than 24% alcohol but not more than 70% by volume, when carried as part of the manufacturing process, may be carried in wooden barrels with a capacity of more than 250 litres and not more than 500 litres meeting the general requirements of 4.1.1, as appropriate, on the following conditions:

- (a) The wooden barrels shall be checked and tightened before filling;
- (b) Sufficient ullage (not less than 3%) shall be left to allow for the expansion of the liquid;
- (c) The wooden barrels shall be carried with the bungholes pointing upwards;
- (d) The wooden barrels shall be carried in containers meeting the requirements of the CSC. Each wooden barrel shall be secured in custom-made cradles and be wedged by appropriate means to prevent it from being displaced in any way during carriage.

- 249** Ferrocium, stabilized against corrosion, with a minimum iron content of 10% is not subject to the requirements of RID.

- 250** This entry may only be used for samples of chemicals taken for analysis in connection with the implementation of the Convention on the Prohibition of the Development, Production, Stockpiling and Use of Chemical Weapons and on their Destruction. The carriage of substances under this entry shall be in accordance with the chain of custody and security procedures specified by the Organisation for the Prohibition of Chemical Weapons.

The chemical sample may only be carried providing prior approval has been granted by the competent authority or the Director General of the Organisation for the Prohibition of Chemical Weapons and providing the sample complies with the following provisions:

- (a) It shall be packed according to packing instruction 623 in the ICAO Technical Instructions (see S-3-8 of the Supplement); and
- (b) During carriage, a copy of the document of approval for transport, showing the quantity limitations and the packing provisions shall be attached to the transport document.

- 251** The entry CHEMICAL KIT or FIRST AID KIT is intended to apply to boxes, cases etc. containing small quantities of various dangerous goods which are used for example for medical, analytical, testing or repair purposes. Such kits may not contain dangerous goods for which the quantity "0" has been indicated in column (7a) of Table A of Chapter 3.2.

Components shall not react dangerously (see "dangerous reaction" in 1.2.1). The total quantity of dangerous goods in any one kit shall not exceed either 1 l or 1 kg. The packing group assigned to the kit as a whole shall be the most stringent packing group assigned to any individual substance in the kit.

Kits which are carried on board wagons for first-aid or operating purposes are not subject to the requirements of RID.

Chemical kits and first aid kits containing dangerous goods in inner packagings which do not exceed the quantity limits for limited quantities applicable to individual substances as specified in column (7a) of Table A of Chapter 3.2 may be carried in accordance with Chapter 3.4.

- 252** Provided the ammonium nitrate remains in solution under all conditions of carriage, aqueous solutions of ammonium nitrate, with not more than 0.2% combustible material, in a concentration not exceeding 80%, are not subject to the requirements of RID.
- 266** This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be carried unless specifically authorized by the competent authority (see 2.2.1.1).
- 267** Any explosives, blasting, type C containing chlorates shall be segregated from explosives containing ammonium nitrate or other ammonium salts.
- 270** Aqueous solutions of Class 5.1 inorganic solid nitrate substances are considered as not meeting the criteria of Class 5.1 if the concentration of the substances in solution at the minimum temperature encountered during carriage is not greater than 80% of the saturation limit.
- 271** Lactose or glucose or similar materials, may be used as a phlegmatizer, provided that the substance contains not less than 90%, by mass, of phlegmatizer. The competent authority may authorize these mixtures to be classified in Class 4.1 on the basis of a test Series 6 (c) of Section 16 of Part I of the Manual of Tests and Criteria on at least three packages as prepared for carriage. Mixtures containing at least 98%, by mass, of phlegmatizer are not subject to the requirements of RID. Packages containing mixtures with not less than 90%, by mass, of phlegmatizer need not bear a label conforming to model No. 6.1.
- 272** This substance shall not be carried under the provisions of Class 4.1 unless specifically authorized by the competent authority (see UN No. 0143 or UN No. 0150 as appropriate).
- 273** Maneb and maneb preparations stabilized against self-heating need not be classified in Class 4.2 when it can be demonstrated by testing that a cubic volume of 1 m³ of substance does not self-ignite and that the temperature at the centre of the sample does not exceed 200 °C, when the sample is maintained at a temperature of not less than 75 °C ± 2 °C for a period of 24 hours.
- 274** The provisions of 3.1.2.8 apply.
- 278** These substances shall not be classified and carried unless authorized by the competent authority on the basis of results from Series 2 tests and a Series 6 (c) test of Part I of the Manual of Tests and Criteria on packages as prepared for carriage (see 2.2.1.1). The competent authority shall assign the packing group on the basis of 2.2.3 criteria and the package type used for the Series 6 (c) test.
- 279** The substance is assigned to this classification or packing group based on human experience rather than the strict application of classification criteria set out in RID.
- 280** This entry applies to articles which are used as life-saving vehicle air bag inflators, or air bag modules or seat-belt pretensioners and which contain dangerous goods of Class 1 or dangerous goods of other classes and when carried as component parts and when these articles as presented for carriage have been tested in accordance with Test series 6 (c) of Part I of the Manual of Tests and Criteria, with no explosion of the device, no fragmentation of device casing or pressure receptacle, and no projection hazard nor thermal effect which would significantly hinder fire-fighting or other emergency response efforts in the immediate vicinity.
- 282** (Deleted)

- 283** Articles, containing gas, intended to function as shock absorbers, including impact energy-absorbing devices, or pneumatic springs are not subject to the requirements of RID provided:
- (a) Each article has a gas space capacity not exceeding 1.6 litres and a charge pressure not exceeding 280 bar where the product of the capacity (litres) and charge pressure (bars) does not exceed 80 (i.e. 0.5 litres gas space and 160 bar charge pressure, 1 litre gas space and 80 bar charge pressure, 1.6 litres gas space and 50 bar charge pressure, 0.28 litres gas space and 280 bar charge pressure);
 - (b) Each article has a minimum burst pressure of 4 times the charge pressure at 20 °C for products not exceeding 0.5 litres gas space capacity and 5 times charge pressure for products greater than 0.5 litres gas space capacity;
 - (c) Each article is manufactured from material which will not fragment upon rupture;
 - (d) Each article is manufactured in accordance with a quality assurance standard acceptable to the competent authority; and
 - (e) The design type has been subjected to a fire test demonstrating that the article relieves its pressure by means of a fire degradable seal or other pressure relief device, such that the article will not fragment and that the article does not rocket.
- See also 1.1.3.2 (d) for equipment used for the operation of the vehicle.
- 284** An oxygen generator, chemical, containing oxidizing substances shall meet the following conditions:
- (a) The generator when containing an explosive actuating device shall only be carried under this entry when excluded from Class 1 in accordance with the NOTE under paragraph 2.2.1.1.1 (b);
 - (b) The generator, without its packaging, shall be capable of withstanding a 1.8 m drop test onto a rigid, non-resilient, flat and horizontal surface, in the position most likely to cause damage, without loss of its contents and without actuation;
 - (c) When a generator is equipped with an actuating device, it shall have at least two positive means of preventing unintentional actuation.
- 286** Nitrocellulose membrane filters covered by this entry, each with a mass not exceeding 0.5 g, are not subject to the requirements of RID when contained individually in an article or a sealed packet.
- 288** These substances shall not be classified and carried unless authorized by the competent authority on the basis of results from Series 2 tests and a Series 6 (c) test of Part I of the Manual of tests and Criteria on packages as prepared for carriage (see 2.2.1.1).
- 289** Air bag inflators, air bag modules or seat-belt pretensioners installed in wagons, vehicles, vessels or aircraft or in completed components such as steering columns, door panels, seats, etc. are not subject to the requirements of RID.
- 290** When this radioactive material meets the definitions and criteria of other classes as defined in Part 2, it shall be classified in accordance with the following:
- (a) Where the substance meets the criteria for dangerous goods in excepted quantities as set out in Chapter 3.5, the packagings shall be in accordance with 3.5.2 and meet the testing requirements of 3.5.3. All other requirements applicable to radioactive material, excepted packages as set out in 1.7.1.5 shall apply without reference to the other class;
 - (b) Where the quantity exceeds the limits specified in 3.5.1.2 the substance shall be classified in accordance with the predominant subsidiary risk. The transport document shall describe the substance with the UN number and proper shipping name applicable to the other class supplemented with the name applicable to the radioactive excepted package according to Column (2) of Table A of Chapter 3.2, and the substance shall be carried in accordance with the provisions applicable to that UN number. An example of the information shown on the transport document is:
"UN 1993 FLAMMABLE LIQUID, N.O.S. (ethanol and toluene mixture), Radioactive material, excepted package – limited quantity of material, 3, PG II".
In addition, the requirements of 2.2.7.2.4.1 shall apply;
 - (c) The provisions of Chapter 3.4 for the carriage of dangerous goods packed in limited quantities shall not apply to substances classified in accordance with sub-paragraph (b);
 - (d) When the substance meets a special provision that exempts this substance from all dangerous goods provisions of the other classes it shall be classified in accordance with the applicable UN number of Class 7 and all requirements specified in 1.7.1.5 shall apply.
- 291** Flammable liquefied gases shall be contained within refrigerating machine components. These components shall be designed and tested to at least three times the working pressure of the machinery. The refrigerating machines shall be designed and constructed to contain the liquefied gas and preclude the risk of bursting or cracking of the pressure retaining components during normal conditions of carriage. Refrigerating machines and refrigerating-machine components are not subject to the requirements of RID if they contain less than 12 kg of gas.

- 292** (Deleted)
- 293** The following definitions apply to matches:
- (a) Fusee matches are matches the heads of which are prepared with a friction-sensitive igniter composition and a pyrotechnic composition which burns with little or no flame, but with intense heat;
 - (b) Safety matches are matches which are combined with or attached to the box, book or card that can be ignited by friction only on a prepared surface;
 - (c) Strike anywhere matches are matches that can be ignited by friction on a solid surface;
 - (d) Wax Vesta matches are matches that can be ignited by friction either on a prepared surface or on a solid surface.
- 295** Batteries need not be individually marked and labelled if the pallet bears the appropriate mark and label.
- 296** These entries apply to life-saving appliances such as life rafts, personal flotation devices and self-inflating slides. UN No. 2990 applies to self-inflating appliances and UN No. 3072 applies to life-saving appliances that are not self-inflating. Life-saving appliances may contain:
- (a) Signal devices (Class 1) which may include smoke and illumination signal flares packed in packagings that prevent them from being inadvertently activated;
 - (b) For UN No. 2990 only, cartridges, power device of Division 1.4, compatibility group S, may be contained for purposes of the self-inflating mechanism and provided that the quantity of explosives per appliance does not exceed 3.2 g;
 - (c) Class 2 compressed or liquefied gases, group A or O, according to 2.2.2.1.3;
 - (d) Electric storage batteries (Class 8) and lithium batteries (Class 9);
 - (e) First aid kits or repair kits containing small quantities of dangerous goods (e.g. substances of Class 3, 4.1, 5.2, 8 or 9); or
 - (f) "Strike anywhere" matches packed in packagings that prevent them from being inadvertently activated.
- Life-saving appliances packed in strong rigid outer packagings with a total maximum gross mass of 40 kg, containing no dangerous goods other than compressed or liquefied gases of Class 2, group A or group O, in receptacles with a capacity not exceeding 120 ml, installed solely for the purpose of the activation of the appliance, are not subject to the requirements of RID.
- 298** (Deleted)
- 300** Fish meal, fish scrap and krill meal shall not be loaded if the temperature at the time of loading exceeds 35 °C or 5 °C above the ambient temperature whichever is higher.
- 302** Fumigated cargo transport units containing no other dangerous goods are only subject to the provisions of 5.5.2.
- 303** Receptacles shall be assigned to the classification code of the gas or mixture of gases contained therein determined in accordance with the provisions of section 2.2.2.
- 304** This entry may only be used for the transport of non-activated batteries which contain dry potassium hydroxide and which are intended to be activated prior to use by addition of an appropriate amount of water to the individual cells.
- 305** These substances are not subject to the requirements of RID when in concentrations of not more than 50 mg/kg.
- 306** This entry may only be used for substances that do not exhibit explosive properties of Class 1 when tested in accordance to Test Series 1 and 2 of Class 1 (see Manual of Tests and Criteria, Part I).
- 307** This entry may only be used for uniform mixtures containing ammonium nitrate as the main ingredient within the following composition limits:
- (a) Not less than 90% ammonium nitrate with not more than 0.2% total combustible/organic material calculated as carbon and with added matter, if any, which is inorganic and inert towards ammonium nitrate; or
 - (b) Less than 90% but more than 70% ammonium nitrate with other inorganic materials or more than 80% but less than 90% ammonium nitrate mixed with calcium carbonate and/or dolomite and/or mineral calcium sulphate and not more than 0.4% total combustible/organic material calculated as carbon; or
 - (c) Nitrogen type ammonium nitrate based fertilizers containing mixtures of ammonium nitrate and ammonium sulphate with more than 45% but less than 70% ammonium nitrate and not more than 0.4% total combustible/organic material calculated as carbon such that the sum of the percentage compositions of ammonium nitrate and ammonium sulphate exceeds 70%.

- 309** This entry applies to non sensitized emulsions, suspensions and gels consisting primarily of a mixture of ammonium nitrate and fuel, intended to produce a Type E blasting explosive only after further processing prior to use.
- The mixture for emulsions typically has the following composition: 60-85% ammonium nitrate, 5-30% water, 2-8% fuel, 0.5-4% emulsifier agent, 0-10% soluble flame suppressants, and trace additives. Other inorganic nitrate salts may replace part of the ammonium nitrate.
- The mixture for suspensions and gels typically has the following composition: 60-85% ammonium nitrate, 0-5% sodium or potassium perchlorate, 0-17% hexamine nitrate or monomethylamine nitrate, 5-30% water, 2-15% fuel, 0.5-4% thickening agent, 0-10% soluble flame suppressants, and trace additives. Other inorganic nitrate salts may replace part of the ammonium nitrate.
- Substances shall satisfactorily pass Test Series 8 of the Manual of Tests and Criteria, Part I, Section 18 and be approved by the competent authority.
- 310** The testing requirements in sub-section 38.3 of the Manual of Tests and Criteria do not apply to production runs consisting of not more than 100 cells and batteries, or to pre-production prototypes of cells and batteries when these prototypes are carried for testing, if:
- (a) the cells and batteries are carried in an outer packaging that is a metal, plastics or plywood drum or a metal, plastics or wooden box and that meets the criteria for packing group I; and
 - (b) each cell and battery is individually packed in an inner packaging inside an outer packaging and is surrounded by cushioning material that is non-combustible, and non-conductive.
- 311** Substances shall not be carried under this entry unless approved by the competent authority on the basis of the results of appropriate tests according to Part I of the Manual of Tests and Criteria. Packaging shall ensure that the percentage of diluent does not fall below that stated in the competent authority approval, at any time during carriage.
- 313** (Deleted)
- 314** (a) These substances are liable to exothermic decomposition at elevated temperatures. Decomposition can be initiated by heat or by impurities (e.g. powdered metals (iron, manganese, cobalt, magnesium) and their compounds);
- (b) During the course of carriage, these substances shall be shaded from direct sunlight and all sources of heat and be placed in adequately ventilated areas.
- 315** This entry shall not be used for Class 6.1 substances which meet the inhalation toxicity criteria for packing group I described in 2.2.61.1.8.
- 316** This entry applies only to calcium hypochlorite, dry, when carried in non friable tablet form.
- 317** "Fissile-excepted" applies only to those packages complying with 6.4.11.2.
- 318** For the purposes of documentation, the proper shipping name shall be supplemented with the technical name (see 3.1.2.8). When the infectious substances to be carried are unknown, but suspected of meeting the criteria for inclusion in Category A and assignment to UN No. 2814 or 2900, the words "suspected Category A infectious substance" shall be shown, in parentheses, following the proper shipping name on the transport document.
- 319** Substances packed and packages marked in accordance with packing instruction P650 are not subject to any other requirements of RID.
- 320** (Deleted)
- 321** These storage systems shall always be considered as containing hydrogen.
- 322** When carried in non-friable tablet form, these goods are assigned to packing group III.
- 323** (Reserved)
- 324** This substance needs to be stabilized when in concentrations of not more than 99%.
- 325** In the case of non-fissile or fissile excepted uranium hexafluoride, the material shall be classified under UN No. 2978.
- 326** In the case of fissile uranium hexafluoride, the material shall be classified under UN No. 2977.

- 327** Waste aerosols consigned in accordance with 5.4.1.1.3 may be carried under this entry for the purposes of reprocessing or disposal. They need not be protected against inadvertent discharge, provided that measures to prevent dangerous build up of pressure and dangerous atmospheres are addressed. Waste aerosols, other than those leaking or severely deformed, shall be packed in accordance with packing instruction P 207 and special provision PP 87, or packing instruction LP 02 and special packing provision L 2. Leaking or severely deformed aerosols shall be carried in salvage packagings provided appropriate measures are taken to ensure there is no dangerous build up of pressure.

NOTE: For maritime carriage, waste aerosols shall not be carried in closed containers.

- 328** This entry applies to fuel cell cartridges including when contained in equipment or packed with equipment. Fuel cell cartridges installed in or integral to a fuel cell system are regarded as contained in equipment. Fuel cell cartridge means an article that stores fuel for discharge into the fuel cell through (a) valve(s) that control(s) the discharge of fuel into the fuel cell. Fuel cell cartridges, including when contained in equipment, shall be designed and constructed to prevent fuel leakage under normal conditions of carriage.

Fuel cell cartridge design types using liquids as fuels shall pass an internal pressure test at a pressure of 100 kPa (gauge) without leakage.

Except for fuel cell cartridges containing hydrogen in metal hydride which shall be in compliance with special provision 339, each fuel cell cartridge design type shall be shown to pass a 1.2 meter drop test onto an unyielding surface in the orientation most likely to result in failure of the containment system with no loss of contents.

When lithium metal or lithium ion batteries are contained in the fuel cell system, the consignment shall be consigned under this entry and under the appropriate entries for UN 3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or UN 3481 LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT.

- 329** (Reserved)

- 330** (Deleted)

- 331** (Reserved)

- 332** Magnesium nitrate hexahydrate is not subject to the requirements of RID.

- 333** Ethanol and gasoline, motor spirit or petrol mixtures for use in spark-ignition engines (e.g. in automobiles, stationary engines and other engines) shall be assigned to this entry regardless of variations in volatility.

- 334** A fuel cell cartridge may contain an activator provided it is fitted with two independent means of preventing unintended mixing with the fuel during carriage.

- 335** Mixtures of solids which are not subject to the requirements of RID and environmentally hazardous liquids or solids shall be classified as UN 3077 and may be carried under this entry provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or wagon or container is closed. Each wagon or container shall be leakproof when used for carriage in bulk. If free liquid is visible at the time the mixture is loaded or at the time the packaging or wagon or container is closed, the mixture shall be classified as UN 3082. Sealed packets and articles containing less than 10 ml of an environmentally hazardous liquid, absorbed into a solid material but with no free liquid in the packet or article, or containing less than 10 g of an environmentally hazardous solid, are not subject to the requirements of RID.

- 336** A single package of non-combustible solid LSA-II or LSA-III material, if carried by air, shall not contain an activity greater than 3 000 A₂.

- 337** Type B(U) and Type B(M) packages, if carried by air, shall not contain activities greater than the following:

- (a) For low dispersible radioactive material: as authorized for the package design as specified in the certificate of approval;
- (b) For special form radioactive material: 3 000 A₁ or 100 000 A₂, whichever is the lower; or
- (c) For all other radioactive material: 3 000 A₂.

- 338** Each fuel cell cartridge carried under this entry and designed to contain a liquefied flammable gas shall:

- (a) Be capable of withstanding, without leakage or bursting, a pressure of at least two times the equilibrium pressure of the contents at 55 °C;
- (b) Not contain more than 200 ml liquefied flammable gas, the vapour pressure of which shall not exceed 1 000 kPa at 55 °C; and
- (c) Pass the hot water bath test prescribed in 6.2.6.3.1.

- 339** Fuel cell cartridges containing hydrogen in a metal hydride carried under this entry shall have a water capacity less than or equal to 120 ml.

The pressure in the fuel cell cartridge shall not exceed 5 MPa at 55 °C. The design type shall withstand, without leaking or bursting, a pressure of twice the design pressure of the cartridge at 55 °C or 200 kPa more than the design pressure of the cartridge at 55 °C, whichever is greater. The pressure at which this test is conducted is referred to in the drop test and the hydrogen cycling test as the "minimum shell burst pressure".

Fuel cell cartridges shall be filled in accordance with procedures provided by the manufacturer. The manufacturer shall provide the following information with each fuel cell cartridge:

- (a) Inspection procedures to be carried out before initial filling and before refilling of the fuel cell cartridge;
- (b) Safety precautions and potential hazards to be aware of;
- (c) Method for determining when the rated capacity has been achieved;
- (d) Minimum and maximum pressure range;
- (e) Minimum and maximum temperature range; and
- (f) Any other requirements to be met for initial filling and refilling including the type of equipment to be used for initial filling and refilling.

The fuel cell cartridges shall be designed and constructed to prevent fuel leakage under normal conditions of carriage. Each cartridge design type, including cartridges integral to a fuel cell, shall be subjected to and shall pass the following tests:

Drop test

A 1.8 metre drop test onto an unyielding surface in four different orientations:

- (a) Vertically, on the end containing the shut-off valve assembly;
- (b) Vertically, on the end opposite to the shut-off valve assembly;
- (c) Horizontally, onto a steel apex with a diameter of 38 mm, with the steel apex in the upward position; and
- (d) At a 45° angle on the end containing the shut-off valve assembly.

There shall be no leakage, determined by using a soap bubble solution or other equivalent means on all possible leak locations, when the cartridge is charged to its rated charging pressure. The fuel cell cartridge shall then be hydrostatically pressurized to destruction. The recorded burst pressure shall exceed 85% of the minimum shell burst pressure.

Fire test

A fuel cell cartridge filled to rated capacity with hydrogen shall be subjected to a fire engulfment test. The cartridge design, which may include a vent feature integral to it, is deemed to have passed the fire test if:

- (a) The internal pressure vents to zero gauge pressure without rupture of the cartridge; or
- (b) The cartridge withstands the fire for a minimum of 20 minutes without rupture.

Hydrogen cycling test

This test is intended to ensure that a fuel cell cartridge design stress limits are not exceeded during use.

The fuel cell cartridge shall be cycled from not more than 5% rated hydrogen capacity to not less than 95% rated hydrogen capacity and back to not more than 5% rated hydrogen capacity. The rated charging pressure shall be used for charging and temperatures shall be held within the operating temperature range. The cycling shall be continued for at least 100 cycles.

Following the cycling test, the fuel cell cartridge shall be charged and the water volume displaced by the cartridge shall be measured. The cartridge design is deemed to have passed the hydrogen cycling test if the water volume displaced by the cycled cartridge does not exceed the water volume displaced by an uncycled cartridge charged to 95% rated capacity and pressurized to 75% of its minimum shell burst pressure.

Production leak test

Each fuel cell cartridge shall be tested for leaks at 15 °C ± 5 °C, while pressurized to its rated charging pressure. There shall be no leakage, determined by using a soap bubble solution or other equivalent means on all possible leak locations.

Each fuel cell cartridge shall be permanently marked with the following information:

- (a) The rated charging pressure in MPa;
- (b) The manufacturer's serial number of the fuel cell cartridges or unique identification number; and
- (c) The date of expiry based on the maximum service life (year in four digits; month in two digits).

- 340** Chemical kits, first aid kits and polyester resin kits containing dangerous substances in inner packagings which do not exceed the quantity limits for excepted quantities applicable to individual substances as specified in column (7b) of Table A of Chapter 3.2, may be carried in accordance with Chapter 3.5. Class 5.2 substances, although not individually authorized as excepted quantities in column (7b) of Table A of Chapter 3.2, are authorized in such kits and are assigned Code E2 (see 3.5.1.2).
- 341** (Reserved)
- 342** Glass inner receptacles (such as ampoules or capsules) intended only for use in sterilization devices, when containing less than 30 ml of ethylene oxide per inner packaging with not more than 300 ml per outer packaging, may be carried in accordance with the provisions in Chapter 3.5, irrespective of the indication of "E0" in column (7b) of Table A of Chapter 3.2 provided that:
- (a) After filling, each glass inner receptacle has been determined to be leak-tight by placing the glass inner receptacle in a hot water bath at a temperature, and for a period of time, sufficient to ensure that an internal pressure equal to the vapour pressure of ethylene oxide at 55 °C is achieved. Any glass inner receptacle showing evidence of leakage, distortion or other defect under this test shall not be carried under the terms of this special provision;
 - (b) In addition to the packaging required by 3.5.2, each glass inner receptacle is placed in a sealed plastics bag compatible with ethylene oxide and capable of containing the contents in the event of breakage or leakage of the glass inner receptacle; and
 - (c) Each glass inner receptacle is protected by a means of preventing puncture of the plastics bag (e.g. sleeves or cushioning) in the event of damage to the packaging (e.g. by crushing).
- 343** This entry applies to crude oil containing hydrogen sulphide in sufficient concentration that vapours evolved from the crude oil can present an inhalation hazard. The packing group assigned shall be determined by the flammability hazard and inhalation hazard, in accordance with the degree of danger presented.
- 344** The provisions of 6.2.6 shall be met.
- 345** This gas contained in open cryogenic receptacles with a maximum capacity of 1 litre constructed with glass double walls having the space between the inner and outer wall evacuated (vacuum insulated) is not subject to RID provided each receptacle is carried in an outer packaging with suitable cushioning or absorbent materials to protect it from impact damage.
- 346** Open cryogenic receptacles conforming to the requirements of packing instruction P 203 of 4.1.4.1 and containing no dangerous goods except for UN No. 1977 nitrogen, refrigerated liquid, which is fully absorbed in a porous material are not subject to any other requirements of RID.
- 347** This entry shall only be used if the results of Test series 6 (d) of Part I of the Manual of Tests and Criteria have demonstrated that any hazardous effects arising from functioning are confined within the package.
- 348** Batteries manufactured after 31 December 2011 shall be marked with the Watt-hour rating on the outside case.
- 349** Mixtures of a hypochlorite with an ammonium salt are not to be accepted for carriage. UN No. 1791 hypochlorite solution is a substance of Class 8.
- 350** Ammonium bromate and its aqueous solutions and mixtures of a bromate with an ammonium salt are not to be accepted for carriage.
- 351** Ammonium chlorate and its aqueous solutions and mixtures of a chlorate with an ammonium salt are not to be accepted for carriage.
- 352** Ammonium chlorite and its aqueous solutions and mixtures of a chlorite with an ammonium salt are not to be accepted for carriage.
- 353** Ammonium permanganate and its aqueous solutions and mixtures of a permanganate with an ammonium salt are not to be accepted for carriage.
- 354** This substance is toxic by inhalation.
- 355** Oxygen cylinders for emergency use carried under this entry may include installed actuating cartridges (cartridges, power device of Division 1.4, Compatibility Group C or S), without changing the classification in Class 2 provided the total quantity of deflagrating (propellant) explosives does not exceed 3.2 g per oxygen cylinder. The cylinders with the installed actuating cartridges as prepared for carriage shall have an effective means of preventing inadvertent activation.

- 356** Metal hydride storage systems installed in wagons, vehicles, vessels or aircraft or in completed components or intended to be installed in wagons, vehicles, vessels or aircraft shall be approved by the competent authority of the country of manufacture¹ before acceptance for carriage. The transport document shall include an indication that the package was approved by the competent authority of the country of manufacture or a copy of the competent authority of the country of manufacture¹ approval shall accompany each consignment.
- 357** Petroleum crude oil containing hydrogen sulphide in sufficient concentration that vapours evolved from the crude oil can present an inhalation hazard shall be consigned under the entry UN 3494 PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC.
- 358** Nitroglycerin solution in alcohol with more than 1% but not more than 5% nitroglycerin may be classified in Class 3 and assigned to UN No. 3064 provided all the requirements of packing instruction P 300 of 4.1.4.1 are complied with.
- 359** Nitroglycerin solution in alcohol with more than 1% but not more than 5% nitroglycerin shall be classified in Class 1 and assigned to UN No. 0144 if not all the requirements of packing instruction P 300 of 4.1.4.1 are complied with.
- 360** Vehicles only powered by lithium metal batteries or lithium ion batteries shall be classified under the entry UN 3171 battery-powered vehicle.
- 361** This entry applies to electric double layer capacitors with an energy storage capacity greater than 0.3 Wh. Capacitors with an energy storage capacity of 0.3 Wh or less are not subject to RID. Energy storage capacity means the energy held by a capacitor, as calculated using the nominal voltage and capacitance. All capacitors to which this entry applies, including capacitors containing an electrolyte that does not meet the classification criteria of any class of dangerous goods, shall meet the following conditions:
- (a) Capacitors not installed in equipment shall be carried in an uncharged state. Capacitors installed in equipment shall be carried either in an uncharged state or protected against short circuit;
 - (b) Each capacitor shall be protected against a potential short circuit hazard in carriage as follows:
 - (i) When a capacitor's energy storage capacity is less than or equal to 10 Wh or when the energy storage capacity of each capacitor in a module is less than or equal to 10 Wh, the capacitor or module shall be protected against short circuit or be fitted with a metal strap connecting the terminals; and
 - (ii) When the energy storage capacity of a capacitor or a capacitor in a module is more than 10 Wh, the capacitor or module shall be fitted with a metal strap connecting the terminals;
 - (c) Capacitors containing dangerous goods shall be designed to withstand a 95 kPa pressure differential;
 - (d) Capacitors shall be designed and constructed to relieve safely pressure that may build up in use, through a vent or a weak point in the capacitor casing. Any liquid which is released upon venting shall be contained by the packaging or by the equipment in which a capacitor is installed; and
 - (e) Capacitors shall be marked with the energy storage capacity in Wh.

Capacitors containing an electrolyte not meeting the classification criteria of any class of dangerous goods, including when installed in equipment, are not subject to other provisions of RID.

Capacitors containing an electrolyte meeting the classification criteria of any class of dangerous goods, with an energy storage capacity of 10 Wh or less are not subject to other provisions of RID when they are capable of withstanding a 1.2 metre drop test unpackaged on an unyielding surface without loss of contents.

Capacitors containing an electrolyte meeting the classification criteria of any class of dangerous goods that are not installed in equipment and with an energy storage capacity of more than 10 Wh are subject to RID.

Capacitors installed in equipment and containing an electrolyte meeting the classification criteria of any class of dangerous goods, are not subject to other provisions of RID provided the equipment is packaged in a strong outer packaging constructed of suitable material, and of adequate strength and design in relation to the packaging's intended use and in such a manner as to prevent accidental functioning of capacitors during carriage. Large robust equipment containing capacitors may be offered for carriage unpackaged or on pallets when capacitors are afforded equivalent protection by the equipment in which they are contained.

NOTE: Capacitors which by design maintain a terminal voltage (e.g. asymmetrical capacitors) do not belong to this entry.

¹ If the country of manufacture is not an RID Contracting State, the approval shall be recognized by the competent authority of an RID Contracting State.

- 362** (Reserved)
- 363** This entry also applies to liquid fuels, other than those exempted according to 1.1.3.3, above the quantity specified in column (7a) of Table A of Chapter 3.2, in means of containment integral to equipment or machinery (e.g. generators, compressors, heating units, etc) as part of their original design type. They are not subject to other provisions of RID if they meet the following:
- (a) The means of containment are in compliance with the construction requirements of the competent authority of the country of manufacture²;
 - (b) Any valves or openings (e.g. venting devices) in the means of containment containing dangerous goods are closed during carriage;
 - (c) The machinery or equipment is orientated to prevent inadvertent leakage of dangerous goods and secured by means capable of restraining the machinery or equipment to prevent any movement during carriage which would change the orientation or cause it to be damaged;
 - (d) Where the means of containment has a capacity of more than 60 litres but not more than 450 litres, the machinery or equipment is labelled on one external side in accordance with 5.2.2 and where the capacity is greater than 450 litres but not more than 1 500 litres the machinery or equipment is labelled on all four external sides in accordance with 5.2.2; and
 - (e) Where the means of containment has a capacity greater than 1 500 litres, the machinery or equipment is placarded on all four external sides in accordance with 5.3.1.1.1, the requirement of 5.4.1 applies and the transport document includes the following additional statement:
"CARRIAGE IN ACCORDANCE WITH SPECIAL PROVISION 363".
- 364** This article may only be carried under the provisions of Chapter 3.4 if, as presented for carriage, the package is capable of passing the test in accordance with Test Series 6 (d) of Part I of the Manual of Tests and Criteria as determined by the competent authority.
- 365** For manufactured instruments and articles containing mercury, see UN No. 3506.
- 366** Manufactured instruments and articles containing not more than 1 kg of mercury are not subject to RID.
- 367–499** (Reserved)
- 500** (Deleted)
- 501** For naphthalene, molten, see UN No. 2304.
- 502** UN No. 2006 plastics, nitrocellulose-based, self-heating, n.o.s., and 2002 celluloid scrap are substances of Class 4.2.
- 503** For phosphorus, white, molten, see UN No. 2447.
- 504** UN No. 1847 potassium sulphide, hydrated with not less than 30% water of crystallization, UN No. 1849 sodium sulphide, hydrated with not less than 30% water of crystallization and UN No. 2949 sodium hydrosulphide, hydrated with not less than 25% water of crystallization are substances of Class 8.
- 505** UN No. 2004 magnesium diamide is a substance of Class 4.2.
- 506** Alkaline earth metals and alkaline earth metal alloys in pyrophoric form are substances of Class 4.2.
UN No. 1869 magnesium or magnesium alloys containing more than 50% magnesium as pellets, turnings or ribbons, are substances of Class 4.1.
- 507** UN No. 3048 aluminium phosphide pesticides, with additives inhibiting the emission of toxic flammable gases are substances of Class 6.1.
- 508** UN No. 1871 titanium hydride and UN No. 1437 zirconium hydride are substances of Class 4.1. UN No. 2870 aluminium borohydride is a substance of Class 4.2.
- 509** UN No. 1908 chlorite solution is a substance of Class 8.
- 510** UN No. 1755 chromic acid solution is a substance of Class 8.

² For example, compliance with the relevant provisions of Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (Official Journal of the European Union No. L 157 of 9 June 2006, pp. 0024-0086).

- 511** UN No. 1625 mercuric nitrate, UN No. 1627 mercurous nitrate and UN No. 2727 thallium nitrate are substances of Class 6.1. Thorium nitrate, solid, uranyl nitrate hexahydrate solution and uranyl nitrate, solid are substances of Class 7.
- 512** UN No. 1730 antimony pentachloride, liquid, UN No. 1731 antimony pentachloride solution, UN No. 1732 antimony pentafluoride and UN No. 1733 antimony trichloride are substances of Class 8.
- 513** UN No. 0224 barium azide, dry or wetted with less than 50% water, by mass, is not permitted for carriage by rail. UN No. 1571 barium azide, wetted with not less than 50% water, by mass, is a substance of Class 4.1. UN No. 1854 barium alloys, pyrophoric, are substances of Class 4.2. UN No. 1445 barium chlorate, solid, UN No. 1446 barium nitrate, UN No. 1447 barium perchlorate, solid, UN No. 1448 barium permanganate, UN No. 1449 barium peroxide, UN No. 2719 barium bromate, UN No. 2741 barium hypochlorite with more than 22% available chlorine, UN No. 3405 barium chlorate, solution and UN No. 3406 barium perchlorate, solution, are substances of Class 5.1. UN No. 1565 barium cyanide and UN No. 1884 barium oxide are substances of Class 6.1.
- 514** UN No. 2464 beryllium nitrate is a substance of Class 5.1.
- 515** UN No. 1581 chloropicrin and methyl bromide mixture and UN No. 1582 chloropicrin and methyl chloride mixture are substances of Class 2.
- 516** UN No. 1912 methyl chloride and methylene chloride mixture is a substance of Class 2.
- 517** UN No. 1690 sodium fluoride, solid, UN No. 1812 potassium fluoride, solid, UN No. 2505 ammonium fluoride, UN No. 2674 sodium fluorosilicate, UN No. 2856 fluorosilicates, n.o.s., UN No. 3415 sodium fluoride, solution and UN No. 3422 potassium fluoride, solution, are substances of Class 6.1.
- 518** UN No. 1463 chromium trioxide, anhydrous (chromic acid, solid) is a substance of Class 5.1.
- 519** UN No. 1048 hydrogen bromide, anhydrous, is a substance of Class 2.
- 520** UN No. 1050 hydrogen chloride, anhydrous, is a substance of Class 2.
- 521** Solid chlorites and hypochlorites are substances of Class 5.1.
- 522** UN No. 1873 perchloric acid aqueous solution with more than 50% but not more than 72% pure acid, by mass are substances of Class 5.1. Perchloric acid solutions containing more than 72% pure acid, by mass, or mixtures of perchloric acid with any liquid other than water, are not to be accepted for carriage.
- 523** UN No. 1382 anhydrous potassium sulphide and UN No. 1385 anhydrous sodium sulphide and their hydrates with less than 30% water of crystallization, and UN No. 2318 sodium hydrosulphide with less than 25% water of crystallization are substances of Class 4.2.
- 524** UN No. 2858 finished zirconium products of a thickness of 18 µm or more are substances of Class 4.1.
- 525** Solutions of inorganic cyanides with a total cyanide ion content of more than 30% shall be classified in packing group I, solutions with a total cyanide ion content of more than 3% and not more than 30% in packing group II and solutions with a cyanide ion content of more than 0.3% and not more than 3% in packing group III.
- 526** UN No. 2000 celluloid is assigned to Class 4.1.
- 527** (Reserved)
- 528** UN No. 1353 fibres or fabrics impregnated with weakly nitrated cellulose, non-self heating are articles of Class 4.1.
- 529** UN No. 0135 mercury fulminate, wetted with not less than 20% water, or mixture of alcohol and water, by mass, is not permitted for carriage by rail. Mercurous chloride (calomel) is a substance of Class 9 (UN No. 3077).
- 530** UN No. 3293 hydrazine, aqueous solution with not more than 37% hydrazine, by mass, is a substance of Class 6.1.
- 531** Mixtures having a flash-point below 23 °C and containing more than 55% nitrocellulose, whatever its nitrogen content or containing not more than 55% nitrocellulose with a nitrogen content above 12.6% (by dry mass), are substances of Class 1 (see UN Nos. 0340 or 0342) or of Class 4.1.
- 532** UN No. 2672 ammonia solution containing not less than 10% but not more than 35% ammonia is a substance of Class 8.

- 533 UN No. 1198 formaldehyde solutions, flammable are substances of Class 3. Formaldehyde solutions, non-flammable, with less than 25% formaldehyde are not subject to the requirements of RID.
- 534 While in some climatic conditions, petrol (gasoline) may have a vapour pressure at 50 °C of more than 110 kPa (1.10 bar) but not more than 150 kPa (1.50 bar) it is to continue to be considered as a substance having a vapour pressure at 50 °C of not more than 110 kPa (1.10 bar).
- 535 UN No. 1469 lead nitrate, UN No. 1470 lead perchlorate, solid and UN No. 3408 lead perchlorate, solution are substances of Class 5.1.
- 536 For naphthalene, solid, see UN No. 1334.
- 537 UN No. 2869 titanium trichloride mixture, not pyrophoric, is a substance of Class 8.
- 538 For sulphur (in the solid state), see UN No. 1350.
- 539 Solutions of isocyanates having a flash-point of not less than 23 °C are substances of Class 6.1.
- 540 UN No. 1326 hafnium powder, wetted, UN No. 1352 titanium powder, wetted or UN No. 1358 zirconium powder, wetted, with not less than 25% water, are substances of Class 4.1.
- 541 Nitrocellulose mixtures with a water content, alcohol content or plasticizer content lower than the stated limits are substances of Class 1.
- 542 Talc containing tremolite and/or actinolite is covered by this entry.
- 543 UN No. 1005 ammonia, anhydrous, UN No. 3318 ammonia solution with more than 50% ammonia and UN No. 2073 ammonia solution, with more than 35% but not more than 50% ammonia, are substances of Class 2. Ammonia solutions with not more than 10% ammonia are not subject to the requirements of RID.
- 544 UN No. 1032 dimethylamine, anhydrous, UN No. 1036 ethylamine, UN No. 1061 methylamine, anhydrous and UN No. 1083 trimethylamine, anhydrous, are substances of Class 2.
- 545 UN No. 0401 dipicryl sulphide, wetted with less than 10% water by mass is a substance of Class 1.
- 546 UN No. 2009 zirconium, dry, finished sheets, strip or coiled wire, in thicknesses of less than 18 µm, is a substance of Class 4.2. Zirconium, dry, finished sheets, strip or coiled wire, in thicknesses of 254 µm or more, is not subject to the requirements of RID.
- 547 UN No. 2210 maneb or UN No. 2210 maneb preparations in self-heating form are substances of Class 4.2.
- 548 Chlorosilanes which, in contact with water, emit flammable gases, are substances of Class 4.3.
- 549 Chlorosilanes having a flash-point of less than 23 °C and which, in contact with water, do not emit flammable gases are substances of Class 3. Chlorosilanes having a flash-point equal to or greater than 23 °C and which, in contact with water, do not emit flammable gases are substances of Class 8.
- 550 UN No. 1333 cerium in slabs, rods or ingots is a substance of Class 4.1.
- 551 Solutions of these isocyanates having a flash-point below 23 °C are substances of Class 3.
- 552 Metals and metal alloys in powdered or other flammable form, liable to spontaneous combustion, are substances of Class 4.2. Metals and metal alloys in powdered or other flammable form which, in contact with water, emit flammable gases are substances of Class 4.3.
- 553 This mixture of hydrogen peroxide and peroxyacetic acid shall, in laboratory testing (see Manual of Tests and Criteria, Part II, section 20), neither detonate in the cavitated state nor deflagrate at all and shall show no effect when heated under confinement nor any explosive power. The formulation shall be thermally stable (self-accelerating decomposition temperature 60 °C or higher for a 50 kg package), and a liquid compatible with peroxyacetic acid shall be used for desensitization. Formulations not meeting these criteria are to be regarded as substances of Class 5.2 (see Manual of Tests and Criteria, Part II, paragraph 20.4.3 (g)).
- 554 Metal hydrides which, in contact with water, emit flammable gases are substances of Class 4.3. UN No. 2870 aluminium borohydride or UN No. 2870 aluminium borohydride in devices is a substance of Class 4.2.
- 555 Dust and powder of metals in non-spontaneously combustible form, non-toxic which nevertheless, in contact with water, emit flammable gases, are substances of Class 4.3.

- 556** Organometallic compounds and their solutions which ignite spontaneously are substances of Class 4.2. Flammable solutions with organometallic compounds in concentrations which, in contact with water, neither emit flammable gases in dangerous quantities nor ignite spontaneously are substances of Class 3.
- 557** Dust and powder of metals in pyrophoric form are substances of Class 4.2.
- 558** Metals and metal alloys in pyrophoric form are substances of Class 4.2. Metals and metal alloys which, in contact with water, do not emit flammable gases and are not pyrophoric or self-heating, but which are easily ignited, are substances of Class 4.1.
- 559** (Deleted)
- 560** An elevated temperature liquid, n.o.s. at or above 100 °C (including molten metals and molten salts) and, for a substance having a flashpoint, at a temperature below its flashpoint, is a substance of Class 9 (UN No. 3257).
- 561** Chloroformates having predominantly corrosive properties are substances of Class 8.
- 562** Spontaneously combustible organometallic compounds are substances of Class 4.2. Water-reactive organometallic compounds, flammable, are substances of Class 4.3.
- 563** UN No. 1905 selenic acid is a substance of Class 8.
- 564** UN No. 2443 vanadium oxytrichloride, UN No. 2444 vanadium tetrachloride and UN No. 2475 vanadium trichloride are substances of Class 8.
- 565** Unspecified wastes resulting from medical/veterinary treatment of humans/animals or from biological research, and which are unlikely to contain substances of Class 6.2 shall be assigned to this entry. Decontaminated clinical wastes or wastes resulting from biological research which previously contained infectious substances are not subject to the requirements of Class 6.2.
- 566** UN No. 2030 hydrazine aqueous solution, with more than 37% hydrazine, by mass, is a substance of Class 8.
- 567** (Deleted)
- 568** Barium azide with a water content lower than the stated limit is a substance of Class 1, UN No. 0224 and is not permitted for carriage by rail.
- 569–579** (Reserved)
- 580** Tank-wagons, specialized wagons and specially equipped wagons for carriage in bulk shall bear on both sides the mark referred to in 5.3.3. Tank-containers, portable tanks, special containers and specially equipped containers for carriage in bulk shall bear this mark on both sides and at each end.
- 581** This entry covers mixtures of methylacetylene and propadiene with hydrocarbons, which as
- Mixture P1, contain not more than 63% methylacetylene and propadiene by volume and not more than 24% propane and propylene by volume, the percentage of C₄-saturated hydrocarbons being not less than 14% by volume; and as
- Mixture P2, contain not more than 48% methylacetylene and propadiene by volume and not more than 50% propane and propylene by volume, the percentage of C₄-saturated hydrocarbons being not less than 5% by volume,
- as well as mixtures of propadiene with 1 to 4% methylacetylene.
- When relevant, in order to meet the requirements for the transport document (5.4.1.1), the term "Mixture P1" or "Mixture P2" may be used as technical name.
- 582** This entry covers, inter alia, mixtures of gases indicated by the letter R ..., which as
- Mixture F1, have a vapour pressure at 70 °C not exceeding 1.3 MPa (13 bar) and a density at 50 °C not lower than that of dichlorofluoromethane (1.30 kg/l);
- Mixture F2, have a vapour pressure at 70 °C not exceeding 1.9 MPa (19 bar) and a density at 50 °C not lower than that of dichlorodifluoromethane (1.21 kg/l);
- Mixture F3, have a vapour pressure at 70 °C not exceeding 3 MPa (30 bar) and a density at 50 °C not lower than that of chlorodifluoromethane (1.09 kg/l).

NOTE: Trichlorofluoromethane (refrigerant R 11), 1,1,2-trichloro-1,2,2-trifluoroethane (refrigerant R 113), 1,1,1-trichloro-2,2,2-trifluoroethane (refrigerant R 113a), 1-chloro-1,2,2-trifluoroethane (refrigerant R 133) and 1-chloro-1,1,2-trifluoroethane (refrigerant R 133 b) are not substances of Class 2. They may, however, enter into the composition of mixtures F1 to F3.

When relevant, in order to meet the requirements for the transport document (5.4.1.1), the term "Mixture F1", "Mixture F2" or "Mixture F3" may be used as technical name.

583 This entry covers, inter alia, mixtures which as

Mixture A, have a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l;

Mixture A01, have a vapour pressure at 70 °C not exceeding 1.6 MPa (16 bar) and a relative density at 50 °C not lower than 0.516 kg/l;

Mixture A02, have a vapour pressure at 70 °C not exceeding 1.6 MPa (16 bar) and a relative density at 50 °C not lower than 0.505 kg/l;

Mixture A0, have a vapour pressure at 70 °C not exceeding 1.6 MPa (16 bar) and a density at 50 °C not lower than 0.495 kg/l;

Mixture A1, have a vapour pressure at 70 °C not exceeding 2.1 MPa (21 bar) and a density at 50 °C not lower than 0.485 kg/l;

Mixture B1, have a vapour pressure at 70 °C not exceeding 2.6 MPa (26 bar) and a relative density at 50 °C not lower than 0.474 kg/l;

Mixture B2, have a vapour pressure at 70 °C not exceeding 2.6 MPa (26 bar) and a relative density at 50 °C not lower than 0.463 kg/l;

Mixture B, have a vapour pressure at 70 °C not exceeding 2.6 MPa (26 bar) and a density at 50 °C not lower than 0.450 kg/l;

Mixture C, have a vapour pressure at 70 °C not exceeding 3.1 MPa (31 bar) and a relative density at 50 °C not lower than 0.440 kg/l.

When relevant, in order to meet the requirements for the transport document (5.4.1.1), the following terms may be used as technical name:

- "Mixture A" or "Butane";
- "Mixture A01" or "Butane";
- "Mixture A02" or "Butane";
- "Mixture A0" or "Butane";
- "Mixture A1";
- "Mixture B1";
- "Mixture B2";
- "Mixture B";
- "Mixture C" or "Propane".

For carriage in tanks, the trade names "butane" or "propane" may be used only as a complement.

584 This gas is not subject to the requirements of RID when:

- it contains not more than 0.5% air in the gaseous state;
- it is contained in metal capsules (sodors, sparklets) free from defects which may impair their strength;
- the leakproofness of the closure of the capsule is ensured;
- a capsule contains not more than 25 g of this gas;
- a capsule contains not more than 0.75 g of this gas per cm³ of capacity.

585 Cinnabar is not subject to the requirements of RID.

586 Hafnium, titanium and zirconium powders shall contain a visible excess of water. Hafnium, titanium and zirconium powders, wetted, mechanically produced, of a particle size of 53 µm and over, or chemically produced, of a particle size of 840 µm and over, are not subject to the requirements of RID.

587 Barium stearate and barium titanate are not subject to the requirements of RID.

- 588** Solid hydrated forms of aluminium bromide and aluminium chloride are not subject to the requirements of RID.
- 589** (Deleted)
- 590** Ferric chloride hexahydrate is not subject to the requirements of RID.
- 591** Lead sulphate with not more than 3% free acid is not subject to the requirements of RID.
- 592** Uncleaned empty packagings (including empty IBCs and large packagings), empty tank-wagons, empty demountable tanks, empty portable tanks, empty tank-containers and empty small containers which have contained this substance are not subject to the requirements of RID.
- 593** This gas, intended for the cooling of e.g. medical or biological specimens, if contained in double wall receptacles which comply with the provisions of packing instruction P 203, paragraph (6) for open cryogenic receptacles of 4.1.4.1 is not subject to the requirements of RID except as specified in 5.5.3.
- 594** The following articles, manufactured and filled according to the regulations of the manufacturing State and packaged in strong outer packagings, are not subject to the requirements of RID:
- UN No. 1044 fire extinguishers provided with protection against inadvertent discharge;
 - UN No. 3164 articles, pressurized pneumatic or hydraulic, designed to withstand stresses greater than the internal gas pressure by virtue of transmission of force, intrinsic strength or construction.
- 596** Cadmium pigments, such as cadmium sulphides, cadmium sulphoselenides and cadmium salts of higher fatty acids (e.g. cadmium stearate), are not subject to the requirements of RID.
- 597** Acetic acid solutions with not more than 10% pure acid by mass, are not subject to the requirements of RID.
- 598** The following are not subject to the requirements of RID:
- (a) New storage batteries when:
- they are secured in such a way that they cannot slip, fall or be damaged;
 - they are provided with carrying devices, unless they are suitably stacked, e.g. on pallets;
 - there are no dangerous traces of alkalis or acids on the outside;
 - they are protected against short circuits.
- (b) Used storage batteries when:
- their cases are undamaged;
 - they are secured in such a way that they cannot leak, slip, fall or be damaged, e.g. by stacking on pallets;
 - there are no dangerous traces of alkalis or acids on the outside of the articles;
 - they are protected against short circuits.
- "Used storage batteries" means storage batteries carried for recycling at the end of their normal service life.
- 599** (Deleted)
- 600** Vanadium pentoxide, fused and solidified, is not subject to the requirements of RID.
- 601** Pharmaceutical products (medicines) ready for use, which are substances manufactured and packaged for retail sale or distribution for personal or household consumption are not subject to the requirements of RID.
- 602** Phosphorus sulphides which are not free from yellow and white phosphorus are not to be accepted for carriage.
- 603** Anhydrous hydrogen cyanide not meeting the description for UN No. 1051 or UN No. 1614 is not to be accepted for carriage. Hydrogen cyanide (hydrocyanic acid) containing less than 3% water is stable, if the pH-value is 2.5 ± 0.5 and the liquid is clear and colourless.
- 604** (Deleted)
- 605** (Deleted)
- 606** (Deleted)
- 607** Mixtures of potassium nitrate and sodium nitrite with an ammonium salt are not to be accepted for carriage.

- 608** (Deleted)
- 609** Tetranitromethane not free from combustible impurities is not to be accepted for carriage.
- 610** The carriage of this substance, when it contains more than 45% hydrogen cyanide is prohibited.
- 611** Ammonium nitrate containing more than 0.2% combustible substances (including any organic substance calculated as carbon) is not to be accepted for carriage unless it is a constituent of a substance or article of Class 1.
- 612** (Reserved)
- 613** Chloric acid solution containing more than 10% chloric acid and mixtures of chloric acid with any liquid other than water is not to be accepted for carriage.
- 614** 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in concentrations considered highly toxic according to the criteria in 2.2.61.1 is not to be accepted for carriage.
- 615** (Reserved)
- 616** Substances containing more than 40% liquid nitric esters shall satisfy the exudation test specified in 2.3.1.
- 617** In addition to the type of explosive, the commercial name of the particular explosive shall be marked on the package.
- 618** In receptacles containing 1,2-butadiene, the oxygen concentration in the gaseous phase shall not exceed 50 ml/m³.
- 619–** (Reserved)
- 622**
- 623** UN No. 1829 sulphur trioxide shall be inhibited. Sulphur trioxide, at least 99.95% pure, without inhibitor (non-stabilized), shall not be accepted for carriage by rail. Sulphur trioxide, at least 99.95% pure may be carried by road without inhibitor in tanks, provided its temperature is maintained at 32.5 °C or above.
- 625** Packages containing these articles shall be clearly marked as follows: "UN 1950 AEROSOLS".
- 626–** (Reserved)
- 631**
- 632** Considered to be spontaneously flammable (pyrophoric).
- 633** Packages and small containers containing this substance shall bear the following marking: "KEEP AWAY FROM ANY SOURCE OF IGNITION". This marking shall be in an official language of the forwarding country, and also, if that language is not English, French, German or Italian, in English, French, German or Italian, unless any agreements concluded between the countries concerned in the transport operation provide otherwise.
- 634** (Deleted)
- 635** Packages containing these articles need not bear a label conforming to model No. 9 unless the article is fully enclosed by packaging, crates or other means that prevent the ready identification of the article.
- 636** (a) Cells contained in equipment shall not be capable of being discharged during carriage to the extent that the open circuit voltage falls below 2 volts or two thirds of the voltage of the undischarged cell, whichever is the lower.
- (b) Up to the intermediate processing facility, used lithium cells and batteries with a gross mass of not more than 500 g each, whether or not contained in equipment, collected and handed over for carriage for disposal, together with or without other non-lithium cells or batteries, are not subject to the other provisions of RID if they meet the following conditions:
- (i) The provisions of packing instruction P903b are complied with;
 - (ii) A quality assurance system is in place to ensure that the total amount of lithium cells or batteries per wagon or large container does not exceed 333 kg;
 - (iii) Packages shall bear the inscription: "USED LITHIUM CELLS".

- 637** Genetically modified microorganisms and genetically modified organisms are those which are not dangerous for humans and animals, but which could alter animals, plants, microbiological substances and ecosystems in such a way as cannot occur naturally.

Genetically modified microorganisms and genetically modified organisms are not subject to the provisions of RID when authorized for use by the competent authorities of the countries of origin, transit and destination.³

Live vertebrate or invertebrate animals shall not be used to carry these substances classified under this UN number unless the substance can be carried in no other way.

- 638** Substances related to self-reactive substances (see 2.2.41.1.19).

- 639** See 2.2.2.3, classification code 2F, UN No. 1965, NOTE 2.

- 640** The physical and technical characteristics mentioned in column (2) of Table A of Chapter 3.2 determine different tank codes for the carriage of substances of the same packing group in RID tanks.

In order to identify these physical and technical characteristics of the product carried in the tank, the following shall be added, to the particulars required in the transport document, only in case of carriage in RID tanks:

"Special provision 640X" where "X" is the applicable capital letter appearing after the reference to special provision 640 in column (6) of Table A of Chapter 3.2.

These particulars may, however, be dispensed with in the case of carriage in the type of tank which, for substances of a specific packing group of a specific UN number, meets at least the most stringent requirements.

- 642** Except as authorized under 1.1.4.2, this entry of the UN Model Regulations shall not be used for the carriage of fertilizer ammoniating solutions with free ammonia.

- 643** Stone or aggregate asphalt mixture is not subject to the requirements for Class 9.

- 644** This substance is admitted for carriage, provided that:

1. The pH is between 5 and 7 measured in an aqueous solution of 10% of the substance carried;
2. The solution does not contain more than 0.2% combustible material or chlorine compounds in quantities such that the chlorine level exceeds 0.02%.

- 645** The classification code as mentioned in Column (3b) of Table A of Chapter 3.2 shall be used only with the approval of the competent authority of an RID Contracting State prior to carriage. The approval shall be given in writing as a classification approval certificate (see 5.4.1.2.1 (g)) and shall be provided with a unique reference. When assignment to a division is made in accordance with the procedure in 2.2.1.1.7.2, the competent authority may require the default classification to be verified on the basis of test data derived from Test Series 6 of the Manual of Tests and Criteria, Part I, Section 16.

- 646** Carbon made by steam activation process is not subject to the requirements of RID.

- 647** The carriage of vinegar and acetic acid food grade with not more than 25% pure acid by mass is subject only to the following requirements:

- (a) Packagings, including IBCs and large packagings, and tanks shall be manufactured from stainless steel or plastic material which is permanently resistant to corrosion of vinegar/acetic acid food grade;
- (b) Packagings, including IBCs and large packagings, and tanks shall be subjected to a visual inspection by the owner at least once a year. The results of the inspections shall be recorded and the records kept for at least one year. Damaged packagings, including IBCs and large packagings, and tanks shall not be filled;
- (c) Packagings, including IBCs and large packagings, and tanks shall be filled in a way that no product is spilled or adheres to the outer surface;
- (d) Seals and closures shall be resistant to vinegar/acetic acid food grade. Packagings, including IBCs and large packagings, and tanks shall be hermetically sealed by the packer or the filler so that under normal conditions of carriage there will be no leakage;
- (e) Combination packagings with inner packaging made of glass or plastic (see packing instruction P001 in 4.1.4.1) which fulfil the general packing requirements of 4.1.1.1, 4.1.1.2, 4.1.1.4, 4.1.1.5, 4.1.1.6,

³ See in particular Part C of Directive 2001/18/EC of the European Parliament and of the Council on the deliberate release into the environment of genetically modified organisms and repealing Council Directive 90/220/EEC (Official Journal of the European Communities, No. L 106, of 17 April 2001, pp. 8-14), which sets out the authorization procedures for the European Community.

4.1.1.7 and 4.1.1.8 may be used;

The other provisions of RID do not apply.

648 Articles impregnated with this pesticide, such as fibreboard plates, paper strips, cotton-wool balls, sheets of plastics material, in hermetically closed wrappings, are not subject to the provisions of RID.

649 (Deleted)

650 Waste consisting of packaging residues, solidified residues and liquid residues of paint may be carried under the conditions of packing group II. In addition to the provisions of UN No. 1263, packing group II, the waste may also be packed and carried as follows:

- (a) The waste may be packed in accordance with packing instruction P002 of 4.1.4.1 or to packing instruction IBC06 of 4.1.4.2;
- (b) The waste may be packed in flexible IBCs of types 13H3, 13H4 and 13H5 in overpacks with complete walls;
- (c) Testing of packagings and IBCs indicated under (a) or (b) may be carried out in accordance with the requirements of Chapters 6.1 or 6.5, as appropriate, in relation to solids, at the packing group II performance level.

The tests shall be carried out on packagings and IBCs, filled with a representative sample of the waste, as prepared for carriage;

- (d) Carriage in bulk in sheeted wagons, movable roof wagons, closed containers or sheeted large containers, all with complete walls is allowed. The body of wagons or containers shall be leakproof or rendered leakproof, for example by means of a suitable and sufficiently stout inner lining;
- (e) If the waste is carried under the conditions of this special provision, the goods shall be declared in accordance with 5.4.1.1.3 in the transport document, as follows:

"UN 1263 WASTE PAINT, 3, II", or

"UN 1263 WASTE PAINT, 3, PG II".

651 (Reserved)

652 (Reserved)

653 The carriage of this gas in cylinders having a test pressure capacity product of maximum 15.2 MPa·litre (152 bar·litre) is not subject to the other provisions of RID if the following conditions are met:

- The provisions for construction and testing of cylinders are observed;
- The cylinders are contained in outer packagings which at least meet the requirements of Part 4 for combination packagings. The general provisions of packing of 4.1.1.1, 4.1.1.2 and 4.1.1.5 to 4.1.1.7 shall be observed;
- The cylinders are not packed together with other dangerous goods;
- The total gross mass of a package does not exceed 30 kg; and
- Each package is clearly and durably marked with "UN 1006" for argon compressed, "UN 1013" for carbon dioxide, "UN 1046" for helium compressed or "UN 1066" for nitrogen, compressed. This marking is displayed within a diamond-shaped area surrounded by a line that measures at least 100 mm by 100 mm.

654 Waste lighters collected separately and consigned in accordance with 5.4.1.1.3 may be carried under this entry for the purposes of disposal. They need not be protected against inadvertent discharge, provided that measures are taken to prevent the dangerous build up of pressure and dangerous atmospheres.

Waste lighters, other than those leaking or severely deformed, shall be packed in accordance with packing instruction P003. In addition the following provisions shall apply:

- only rigid packagings of a maximum capacity of 60 litres shall be used;
- the packagings shall be filled with water or any other appropriate protection material to avoid any ignition;
- under normal conditions of carriage all ignition devices of the lighters shall fully be covered by the protection material;
- the packagings shall be adequately vented to prevent the creation of flammable atmosphere and the build up of pressure;
- the packages shall only be carried in ventilated or open wagons or containers.

Leaking or severely deformed lighters shall be carried in salvage packagings, provided appropriate measures are taken to ensure there is no dangerous build up of pressure.

NOTE: Special provision 201 and special packing provisions PP84 and RR5 of packing instruction P002 in 4.1.4.1 do not apply to waste lighters.

- 655** Cylinders and their closures designed, constructed, approved and marked in accordance with Directive 97/23/EC⁴ and used for breathing apparatus may be carried without conforming to Chapter 6.2, provided that they are subject to inspections and tests specified in 6.2.1.6.1 and the interval between tests specified in packing instruction P200 in 4.1.4.1 is not exceeded. The pressure used for the hydraulic pressure test is the pressure marked on the cylinder in accordance with Directive 97/23/EC.
- 656** (Deleted)
- 657** This entry shall be used for the technically pure substance only; for mixtures of LPG components, see UN No. 1965 or see UN No. 1075 in conjunction with NOTE 2 in 2.2.2.3.
- 658** UN No. 1057 LIGHTERS complying with standard EN ISO 9994:2006 + A1:2008 "Lighters – Safety Specification" and UN No. 1057 LIGHTER REFILLS, may be carried subject only to the provisions of 3.4.1 (a) to (g), 3.4.2 (except for the total gross mass of 30 kg), 3.4.3 (except for the total gross mass of 20 kg), 3.4.11 and 3.4.12, first sentence, provided the following conditions are met:
- (a) The total gross mass of each package is not more than 10 kg;
 - (b) Not more than 100 kg gross mass of such packages is carried in a wagon; and
 - (c) Each outer packaging is clearly and durably marked with "UN 1057 LIGHTERS" or "UN 1057 LIGHTER REFILLS", as appropriate.
- 659** Substances to which PP 86 or TP 7 are assigned in Column (9a) and Column (11) of Table A in Chapter 3.2 and therefore require air to be eliminated from the vapour space, shall not be used for carriage under this UN number but shall be carried under their respective UN numbers as listed in Table A of Chapter 3.2.
- NOTE:** See also 2.2.2.1.7.
- 660** For the carriage of fuel gas containment systems designed to be fitted in motor vehicles containing this gas the provisions of sub-section 4.1.4.1, Chapter 5.2, Chapter 5.4 and Chapter 6.2 of RID need not be applied, provided the following conditions are met:
- (a) The fuel gas containment systems shall meet the requirements of ECE Regulation No. 67 Revision 2⁵, ECE Regulation No. 110 Revision 1⁶ or ECE Regulation No. 115⁷ or Regulation (EC) No. 79/2009⁸ in combination with Regulation (EU) No. 406/2010⁹, as applicable.
 - (b) The fuel gas containment systems shall be leakproof and shall not exhibit any signs of external damage which may affect their safety.
- NOTE** 1: Criteria may be found in standard ISO 11623:2002 Transportable gas cylinders – Periodic inspection and testing of composite gas cylinders (or ISO DIS 19078 Gas cylinders – Inspection of the cylinder installation, and requalification of high pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles).
- 2: If the fuel gas containment systems are not leakproof or overfilled or if they exhibit damage that could affect their safety, they shall only be carried in salvage pressure receptacles in conformity with RID.

⁴ Directive 97/23/EC of the European Parliament and of the Council of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment (PED) (Official Journal of the European Communities No. L 181 of 9 July 1997, p. 1 – 55).

⁵ ECE Regulation No. 67 (Uniform provisions concerning: I. Approval of specific equipment of motor vehicles using liquefied petroleum gases in their propulsion system; II. Approval of a vehicle fitted with specific equipment for the use of liquefied petroleum gases in its propulsion system with regard to the installation of such equipment).

⁶ ECE Regulation No. 110 (Uniform provisions concerning: I. Specific components of motor vehicles using compressed natural gas (CNG) in their propulsion system; II. vehicles with regard to the installation of specific components of an approved type for the use of compressed natural gas (CNG) in their propulsion system).

⁷ ECE Regulation No. 115 (Uniform provisions concerning the approval of: I. Specific LPG (liquefied petroleum gases) retrofit systems to be installed in motor vehicles for the use of LPG in their propulsion system; II. Specific CNG (compressed natural gas) retrofit systems to be installed in motor vehicles for the use of CNG in their propulsion system).

⁸ Regulation (EC) No 79/2009 of the European Parliament and of the Council of 14 January 2009 on type-approval of hydrogen-powered motor vehicles, and amending Directive 2007/46/EC.

⁹ Commission Regulation (EU) No 406/2010 of 26 April 2010 implementing Regulation (EC) No 79/2009 of the European Parliament and of the Council on type-approval of hydrogen-powered motor vehicles.

- (c) If the fuel gas containment system is equipped with two valves or more integrated in line, two valves shall be so closed as to be gastight under normal conditions of carriage. If only one valve exists or only one valve works properly all openings with the exception of the opening of the pressure relief device shall be so closed as to be gastight under normal conditions of carriage.
- (d) Fuel gas containment systems shall be carried in such a way as to prevent obstruction of the pressure relief device or any damage to the valves and any other pressurised part of the fuel gas containment systems and unintentional release of the gas under normal conditions of carriage. The fuel gas containment system shall be secured so as to prevent slipping, rolling or vertical movement.
- (e) Fuel gas containment systems shall satisfy the provisions of 4.1.6.8 (a), (b), (c), (d) or (e).
- (f) The marking and labelling provisions of Chapter 5.2 shall be met, unless fuel gas containment systems are consigned in a handling device. If so, the markings and danger labels shall be affixed to the handling device.
- (g) Documentation

Every consignment that is carried in accordance with this special provision shall be accompanied by a transport document, containing at least the following information:

 - (i) The UN number of the gas contained in the fuel gas containment systems, preceded by the letters "UN";
 - (ii) The proper shipping name of the gas;
 - (iii) The label model number;
 - (iv) The number of fuel gas containment systems;
 - (v) In the case of liquefied gases the net mass in kg of the gas of each fuel gas containment system and
in the case of compressed gases the nominal capacity in litres of each fuel gas containment system followed by the nominal working pressure;
 - (vi) The names and the addresses of the consignor and the consignee.

(i) to (v) shall appear according to one of the following examples:

Example 1: "UN 1971 NATURAL GAS, COMPRESSED, 2.1, 1 FUEL GAS CONTAINMENT SYSTEM OF 50 L IN TOTAL, 200 BAR".

Example 2: "UN 1965 HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S., 2.1, 3 FUEL GAS CONTAINMENT SYSTEMS, EACH OF 15 KG NET MASS OF GAS".

NOTE: All other provisions of RID shall be applied.

- 661** Carriage of damaged lithium batteries if not collected and presented for carriage for disposal according to special provision 636 is permitted only under additional conditions defined by the competent authority of any RID Contracting State who may also recognise an approval granted by the competent authority of a country which is not an RID Contracting State, provided that this approval has been granted in accordance with the procedures applicable according to RID or ADR.

Only packing methods which are approved for these goods by the competent authority may be used.

The competent authority may define a more restrictive transport category, which shall be included in the competent authority approval.

A copy of the competent authority approval shall accompany each consignment or the transport document shall include a reference to the competent authority approval.

The competent authority of the RID Contracting State granting an approval in accordance with this special provision shall notify the secretariat of OTIF for the purpose of disseminating this information through its website.

NOTE: Any recommendations made by the United Nations for technical requirements for the carriage of damaged lithium batteries shall be considered when granting the approval.

Damaged lithium batteries are in particular:

- Batteries identified by the manufacturer as being defective for safety reasons,
- Batteries with damaged or considerably deformed cases,
- Leaking or venting batteries, or
- Batteries with faults that cannot be diagnosed prior to carriage to a place of analysis.

Chapter 3.4 Dangerous goods packed in limited quantities

3.4.1 This Chapter provides the provisions applicable to the carriage of dangerous goods of certain classes packed in limited quantities. The applicable quantity limit for the inner packaging or article is specified for each substance in Column (7a) of Table A of Chapter 3.2. In addition, the quantity "0" has been indicated in this column for each entry not permitted to be carried in accordance with this Chapter.

Limited quantities of dangerous goods packed in such limited quantities, meeting the provisions of this Chapter are not subject to any other provisions of RID except the relevant provisions of:

- (a) Part 1, Chapters 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.8, 1.9;
- (b) Part 2;
- (c) Part 3, Chapters 3.1, 3.2, 3.3 (except special provisions 61, 178, 181, 220, 274, 625, 633 and 650 (e));
- (d) Part 4, paragraphs 4.1.1.1, 4.1.1.2, 4.1.1.4 to 4.1.1.8;
- (e) Part 5, 5.1.2.1(a) (i) and (b), 5.1.2.2, 5.1.2.3, 5.2.1.9, 5.4.2;
- (f) Part 6, construction requirements of 6.1.4 and paragraphs 6.2.5.1 and 6.2.6.1 to 6.2.6.3;
- (g) Part 7, Chapter 7.1 and 7.2.1, 7.2.2, 7.5.1 (except 7.5.1.4), 7.5.2.4, 7.5.7 and 7.5.8.

3.4.2 Dangerous goods shall be packed only in inner packagings placed in suitable outer packagings. Intermediate packagings may be used. In addition, for articles of division 1.4, compatibility group S, the provisions of section 4.1.5 shall be fully complied with. The use of inner packagings is not necessary for the carriage of articles such as aerosols or "receptacles, small, containing gas". The total gross mass of the package shall not exceed 30 kg.

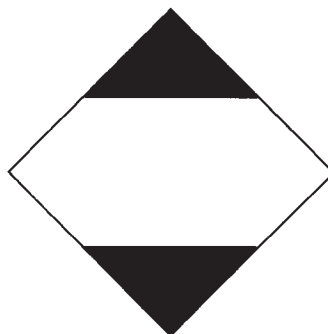
3.4.3 Except for articles of division 1.4, compatibility group S shrink-wrapped or stretch-wrapped trays meeting the conditions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 are acceptable as outer packagings for articles or inner packagings containing dangerous goods carried in accordance with this Chapter. Inner packagings that are liable to break or be easily punctured, such as those made of glass, porcelain, stoneware or certain plastics, shall be placed in suitable intermediate packagings meeting the provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8, and be so designed that they meet the construction requirements of 6.1.4. The total gross mass of the package shall not exceed 20 kg.

3.4.4 Liquid goods of Class 8, packing group II in glass, porcelain or stoneware inner packagings shall be enclosed in a compatible and rigid intermediate packaging.

3.4.5 (Reserved)

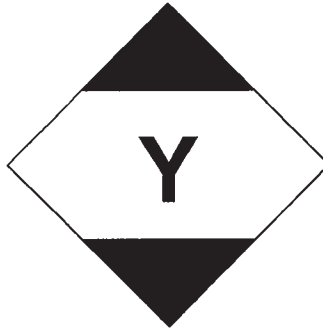
3.4.6 (Reserved)

3.4.7 Except for air transport, packages containing dangerous goods in limited quantities shall bear the marking shown below.



The marking shall be readily visible, legible and able to withstand open weather exposure without a substantial reduction in effectiveness. The top and bottom portions and the surrounding line shall be black. The centre area shall be white or a suitable contrasting background. The minimum dimensions shall be 100 mm × 100 mm and the minimum width of line forming the diamond shall be 2 mm. If the size of the package so requires, the dimension may be reduced, to be not less than 50 mm × 50 mm provided the marking remains clearly visible.

- 3.4.8** Packages containing dangerous goods consigned for air transport in conformity with the provisions of Part 3, Chapter 4 of the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air shall bear the marking shown below.



The marking shall be readily visible, legible and able to withstand open weather exposure without a substantial reduction in effectiveness. The top and bottom portions and the surrounding line shall be black. The centre area shall be white or a suitable contrasting background. The minimum dimensions shall be 100 mm × 100 mm. The minimum width of line forming diamond shall be 2 mm. The symbol "Y" shall be placed in the centre of the mark and shall be clearly visible. If the size of the package so requires, the dimension may be reduced, to be not less than 50 mm × 50 mm provided the marking remains clearly visible.

- 3.4.9** Packages containing dangerous goods bearing the marking shown in 3.4.8 shall be deemed to meet the provisions of sections 3.4.1 to 3.4.4 of this Chapter and need not bear the marking shown in 3.4.7.
- 3.4.10** (Reserved)
- 3.4.11** When packages containing dangerous goods packed in limited quantities are placed in an overpack, the provisions of 5.1.2 shall apply. In addition the overpack shall be marked with the markings required by this Chapter unless the markings representative of all dangerous goods in the overpack are visible. The provisions of 5.1.2.1 (a) (ii) and 5.1.2.4 apply only if other dangerous goods which are not packed in limited quantities are contained, and only in relation to these other dangerous goods.
- 3.4.12** In advance of carriage, consignors of dangerous goods packed in limited quantities shall inform the carrier in a traceable form of the total gross mass of such goods to be consigned.
- Loaders of dangerous goods packed in limited quantities shall observe the provisions of 3.4.13 to 3.4.15 concerning marking.
- 3.4.13** (a) Wagons carrying dangerous goods packed in limited quantities shall be marked in accordance with 3.4.15 on both sides except when the wagon contains other dangerous goods for which placarding in accordance with 5.3.1 is required. In this latter case, the wagon may display the required placards only, or both the placards in accordance with 5.3.1 and the marking in accordance with 3.4.15.
- (b) Large containers carrying dangerous goods packed in limited quantities shall be marked in accordance with 3.4.15 on all four sides except when the large container contains other dangerous goods for which placarding in accordance with 5.3.1 is required. In this latter case, the large container may display the required placards only, or both the placards in accordance with 5.3.1 and the marking in accordance with 3.4.15.
- If the marking affixed to the large containers is not visible from outside the carrying wagon, the same marking shall also be affixed to both sides of the wagon.
- 3.4.14** Markings specified in 3.4.13 may be dispensed with, if the total gross mass of the packages containing dangerous goods packed in limited quantities carried does not exceed 8 tonnes per wagon or large container.
- 3.4.15** The marking shall be that required in 3.4.7, except that the minimum dimensions shall be 250 mm × 250 mm.

Chapter 3.5 Dangerous Goods packed in excepted quantities

3.5.1 Excepted quantities

3.5.1.1 Excepted quantities of dangerous goods of certain classes, other than articles, meeting the provisions of this Chapter are not subject to any other provisions of RID except for:

- (a) The training requirements in Chapter 1.3;
- (b) The classification procedures and packing group criteria in Part 2;
- (c) The packaging requirements of 4.1.1.1, 4.1.1.2, 4.1.1.4 and 4.1.1.6.

NOTE: In the case of radioactive material, the requirements for radioactive material in excepted packages in 1.7.1.5 apply.

3.5.1.2 Dangerous goods which may be carried as excepted quantities in accordance with the provisions of this Chapter are shown in column (7b) of Table A of Chapter 3.2 list by means of an alphanumeric code as follows:

Code	Maximum net quantity per inner packaging (in grams for solids and ml for liquids and gases)	Maximum net quantity per outer packaging (in grams for solids and ml for liquids and gases, or sum of grams and ml in the case of mixed packing)
E0	Not permitted as Excepted Quantity	
E1	30	1000
E2	30	500
E3	30	300
E4	1	500
E5	1	300

For gases, the volume indicated for inner packagings refers to the water capacity of the inner receptacle and the volume indicated for outer packagings refers to the combined water capacity of all inner packagings within a single outer packaging.

3.5.1.3 Where dangerous goods in excepted quantities for which different codes are assigned are packaged together the total quantity per outer packaging shall be limited to that corresponding to the most restrictive code.

3.5.1.4 Excepted quantities of dangerous goods assigned to codes E 1, E 2, E 4 and E 5 with a maximum net quantity of dangerous goods per inner packaging limited to 1 ml for liquids and gases and 1 g for solids and a maximum net quantity of dangerous goods per outer packaging which does not exceed 100 g for solids or 100 ml for liquids and gases are only subject to:

- (a) The provisions of 3.5.2, except that an intermediate packaging is not required if the inner packagings are securely packed in an outer packaging with cushioning material in such a way that, under normal conditions of carriage, they cannot break, be punctured, or leak their contents; and for liquids, the outer packaging contains sufficient absorbent material to absorb the entire contents of the inner packagings; and
- (b) The provisions of 3.5.3.

3.5.2 Packagings

Packagings used for the carriage of dangerous goods in excepted quantities shall be in compliance with the following:

- (a) There shall be an inner packaging and each inner packaging shall be constructed of plastic (with a minimum thickness of 0.2 mm when used for liquids), or of glass, porcelain, stoneware, earthenware or metal (see also 4.1.1.2) and the closure of each inner packaging shall be held securely in place with wire, tape or other positive means; any receptacle having a neck with moulded screw threads shall have a leak proof threaded type cap. The closure shall be resistant to the contents;
- (b) Each inner packaging shall be securely packed in an intermediate packaging with cushioning material in such a way that, under normal conditions of carriage, they cannot break, be punctured or leak their contents. The intermediate packaging shall completely contain the contents in case of breakage or leakage, regardless of package orientation. For liquids, the intermediate packaging shall contain sufficient absorbent material to absorb the entire contents of the inner packaging. In such cases, the absorbent material may be the cushioning material. Dangerous goods shall not react dangerously with cushioning, absorbent material and packaging material or reduce the integrity or function of the materials;
- (c) The intermediate packaging shall be securely packed in a strong, rigid outer packaging (wooden, fibre-board or other equally strong material);
- (d) Each package type shall be in compliance with the provisions in 3.5.3;

- (e) Each package shall be of such a size that there is adequate space to apply all necessary markings; and
- (f) Overpacks may be used and may also contain packages of dangerous goods or goods not subject to the requirements of RID.

3.5.3 Tests for packages

3.5.3.1 The complete package as prepared for carriage, with inner packagings filled to not less than 95% of their capacity for solids or 98% for liquids, shall be capable of withstanding, as demonstrated by testing which is appropriately documented, without breakage or leakage of any inner packaging and without significant reduction in effectiveness:

- (a) Drops onto a rigid, non-resilient flat and horizontal surface from a height of 1.8 m:
 - (i) Where the sample is in the shape of a box, it shall be dropped in each of the following orientations:
 - flat on the base;
 - flat on the top;
 - flat on the longest side;
 - flat on the shortest side;
 - on a corner;
 - (ii) Where the sample is in the shape of a drum, it shall be dropped in each of the following orientations:
 - diagonally on the top chime, with the centre of gravity directly above the point of impact;
 - diagonally on the base chime;
 - flat on the side;

NOTE: Each of the above drops may be performed on different but identical packages.

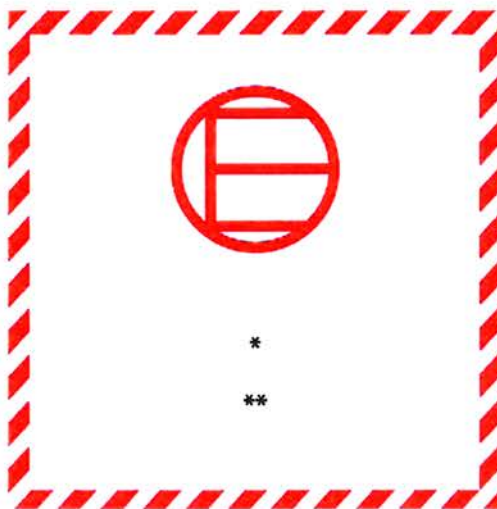
- (b) A force applied to the top surface for a duration of 24 hours, equivalent to the total weight of identical packages if stacked to a height of 3 m (including the sample).

3.5.3.2 For the purposes of testing, the substances to be carried in the packaging may be replaced by other substances except where this would invalidate the results of the tests. For solids, when another substance is used, it must have the same physical characteristics (mass, grain size, etc.) as the substance to be carried. In the drop tests for liquids, when another substance is used, its relative density (specific gravity) and viscosity should be similar to those of the substance to be carried.

3.5.4 Marking of packages

3.5.4.1 Packages containing excepted quantities of dangerous goods prepared in accordance with this Chapter shall be durably and legibly marked with the mark shown in 3.5.4.2. The first or only label number indicated in column (5) of Table A of Chapter 3.2 for each of the dangerous goods contained in the package shall be shown in the mark. Where the name of the consignor or consignee is not shown elsewhere on the package this information shall be included within the mark.

3.5.4.2 The dimensions of the mark shall be a minimum of 100 mm × 100 mm.



Excepted quantities mark

Hatching and symbol of the same colour, black or red, on white or suitable contrasting background

* The first or only label number indicated in column (5) of Table A of Chapter 3.2 shall be shown in this location.

** The name of the consignor or of the consignee shall be shown in this location if not shown elsewhere on the package.

3.5.4.3 An overpack containing dangerous goods in excepted quantities shall display the markings required by 3.5.4.1, unless such markings on packages within the overpack are clearly visible.

3.5.5 Maximum number of packages in any wagon or container

The number of packages in any wagon or container shall not exceed 1 000.

3.5.6 Documentation

If a document or documents (such as a bill of lading, air waybill or CMR/CIM consignment note) accompanies dangerous goods in excepted quantities, at least one of these documents shall include the statement "DANGEROUS GOODS IN EXCEPTED QUANTITIES" and indicate the number of packages.

