

**PART 3**

**DANGEROUS GOODS LIST,**

**SPECIAL PROVISIONS**

**AND EXCEPTIONS**

| *Changes in this colour are from ST-SG-AC10-44Add1*



## CHAPTER 3.1

### GENERAL

#### 3.1.1 Scope and general provisions

3.1.1.1 The Dangerous Goods List in this Chapter lists the dangerous goods most commonly carried but is not exhaustive. It is intended that the list cover, as far as practicable, all dangerous substances of commercial importance.

3.1.1.2 Where a substance or article is specifically listed by name in the Dangerous Goods List, it shall be transported in accordance with the provisions in the List which are appropriate for that substance or article. A “generic” or “not otherwise specified” entry may be used to permit the transport of substances or articles which do not appear specifically by name in the Dangerous Goods List. Such a substance or article may be transported only after its dangerous properties have been determined. The substance or article shall then be classified according to the class definitions and test criteria and the name in the Dangerous Goods List which most appropriately describes the substance or article shall be used. The classification shall be made by the appropriate competent authority when so required or may otherwise be made by the consignor. Once the class of the substance or article has been so established, all conditions for dispatch and transport, as provided in these Regulations shall be met. Any substance or article having or suspected of having explosive characteristics shall first be considered for inclusion in Class 1. Some collective entries may be of the “generic” or “not otherwise specified” type provided that the regulations contain provisions ensuring safety, both by excluding extremely dangerous goods from normal transport and by covering all subsidiary ~~risks~~ hazards inherent in some goods.

3.1.1.3 The Dangerous Goods List does not include goods which are so dangerous that their transport, except with special authorization, is prohibited. Such goods are not listed because the transport of some goods may be prohibited for some modes of transport and allowed in others and, in addition, because it would be impossible to draw up an exhaustive list. Moreover, any such list would soon cease to be exhaustive because of the frequent introduction of new substances; and the absence of a substance from such a list might give the mistaken impression that that substance could be carried without special restrictions. Inherent instability in goods may take different dangerous forms, for example, explosion, polymerization, with intense evolution of heat, or emission of toxic gases. In respect of most substances, such tendencies can be controlled by correct packing, dilution, stabilization, addition of an inhibitor, refrigeration or other precautions.

3.1.1.4 Where precautionary measures are laid down in the Dangerous Goods List in respect of a given substance or article (e.g. that it shall be “stabilized” or “with x% water or phlegmatizer”) such substance or article may not normally be carried when these measures have not been taken, unless the item in question is listed elsewhere (e.g. Class 1) without any indication of, or with different, precautionary measures.

#### 3.1.2 Proper shipping name

**NOTE:** *For proper shipping names to be used for the transport of samples, see 2.0.4.*

3.1.2.1 The proper shipping name is that portion of the entry most accurately describing the goods in the Dangerous Goods List, 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 but may be used.

3.1.2.2 When a combination of several distinct proper shipping names are listed under a single UN number, and these are separated by “and” or ”or” in lower case or are punctuated by commas, only the most appropriate shall be shown in the transport document and package marks. 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 marks. 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 documentation or package marks 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. Details are provided in the alphabetical index, e.g.:

NITROXYLENES, LIQUID	6.1	1665
NITROXYLENES, SOLID	6.1	3447

3.1.2.5 Unless it is already included in capital letters in the name indicated in the Dangerous Goods List, 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 transport 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 the Dangerous Goods List, the word STABILIZED shall be added as part of the proper shipping name of a substance which, without stabilization, would be forbidden from transport in accordance with 1.1.2 due to it being liable to dangerously react under conditions normally encountered in transport (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 or the evolution of excessive heat, or when chemical stabilization is used in combination with temperature control, then:

- (a) For liquids and solids where the SAPT (measured without or with inhibitor, when chemical stabilization is applied) is less than or equal to that prescribed in 2.4.2.5.2, special provision 386 of Chapter 3.3 and the provisions of 7.1.56 apply;

(b) Unless it is already included in capital letters in the name indicated in the Dangerous Goods List, the words “TEMPERATURE CONTROLLED” shall be added as part of the proper shipping name.

(bc) For gases: the conditions of transport shall be approved by the competent authority.

3.1.2.7 Hydrates may be transported 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 the Dangerous Goods List shall be supplemented with the technical or chemical group names 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 and chemical group 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, PG II”.

3.1.2.8.1.1 The technical name shall be a recognized chemical 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 Organisation (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 or articles containing dangerous goods are described by one of the “N.O.S.” or “generic” entries to which special provision 274 has been allocated in the Dangerous Goods List, not more than the two constituents which most predominantly contribute to the hazard or hazards of the mixture or of the articles need to be shown, excluding controlled substances when their disclosure is prohibited by national law or international convention.~~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 the Dangerous Goods List, 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-hazard~~ label, one of the two technical names shown in brackets shall be the name of the constituent which compels the use of the subsidiary ~~risk-hazard~~ label.

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 2902 PESTICIDE, LIQUID, TOXIC, N.O.S. (drazoxolon).  
UN 3394 ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-  
REACTIVE (trimethylgallium)  
UN 3540 ARTICLES CONTAINING FLAMMABLE LIQUIDS N.O.S. (pyrrolidine)

### 3.1.3 **Mixtures or solutions**

**NOTE:** *Where a substance is specifically listed by name in the Dangerous Goods List, it shall be identified in transport by the proper shipping name in the Dangerous Goods List. 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 listed by name containing technical impurities or additives for stability or other purposes affecting its classification shall be considered a mixture or solution (see 2.0.2.2 and 2.0.2.5).*

3.1.3.1 A mixture or solution is not subject to these Regulations if the characteristics, properties, form or physical state of the mixture or solution are such that it does not meet the criteria, including human

experience criteria, for inclusion in any class.

3.1.3.2 A mixture or solution meeting the classification criteria of these Regulations composed of a single predominant substance identified by name in the Dangerous Goods List and one or more substances not subject to these Regulations and/or traces of one or more substances identified by name in the Dangerous Goods List, shall be assigned the UN number and proper shipping name of the predominant substance named in the Dangerous Goods List unless:

- (a) The mixture or solution is identified by name in the Dangerous Goods List;
- (b) The name and description of the substance named in the Dangerous Goods List specifically indicate that they apply only to the pure substance;
- (c) The hazard class or division, subsidiary ~~risk~~hazard(s), packing group, or physical state of the mixture or solution is different from that of the substance named in the Dangerous Goods List; or
- (d) The hazard characteristics and properties of the mixture or solution necessitate emergency response measures that are different from those required for the substance identified by name in the Dangerous Goods List.

3.1.3.2.1 Qualifying words such as “MIXTURE” or “SOLUTION”, 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 mixture or solution meeting the classification criteria of these Regulations that is not identified by name in the Dangerous Goods List and that is composed of two or more dangerous goods shall be assigned to an entry that has the proper shipping name, description, hazard class or division, subsidiary ~~risk~~hazard(s) and packing group that most precisely describe the mixture or solution.

## CHAPTER 3.2

### DANGEROUS GOODS LIST

#### 3.2.1 Structure of the dangerous goods list

The Dangerous Goods List is divided into 11 columns as follows:

- |           |   |
|-----------|---|
| Column 1  | “UN No.” - this column contains the serial number assigned to the article or substance under the United Nations system.   |
| Column 2  | “Name and description” - this column contains the proper shipping names in uppercase characters, which may be followed by additional descriptive text presented in lowercase characters (see 3.1.2). An explanation of some of the terms used appears in Appendix B. Proper shipping names may be shown in the plural where isomers of similar classification exist. Hydrates may be included under the proper shipping name for the anhydrous substance, as appropriate.<br><br>Unless otherwise indicated for an entry in the dangerous goods list, the word “solution” in a proper shipping name means one or more named dangerous goods dissolved in a liquid that is not otherwise subject to these Regulations. |
| Column 3  | “Class or division” - this column contains the class or division and in the case of Class 1, the compatibility group assigned to the article or substance according to the classification system described in Chapter 2.1.  |
| Column 4  | “Subsidiary <del>risk</del> hazard” - this column contains the class or division number of any important subsidiary <del>risks</del> hazards which have been identified by applying the classification system described in Part 2.  |
| Column 5  | “UN packing group” - this column contains the UN packing group number (i.e. I, II or III) assigned to the article or substance. If more than one packing group is indicated for the entry, the packing group of the substance or formulation to be transported shall be determined, based on its properties, through application of the hazard grouping criteria as provided in Part 2.   |
| Column 6  | “Special provisions” - this column contains a number referring to any special provision(s) indicated in 3.3.1 that are relevant to the article or substance. Special provisions apply to all the packing groups permitted for a particular substance or article unless the wording makes it otherwise apparent.   |
| Column 7a | “Limited Quantities” - this column provides the maximum quantity per inner packaging or article for transporting dangerous goods as limited quantities in accordance with Chapter 3.4.  |
| Column 7b | “Excepted Quantities” - this column provides an alphanumeric code described in sub-section 3.5.1.2 which indicates the maximum quantity per inner and outer packaging for transporting dangerous goods as excepted quantities in accordance with Chapter 3.5.   |
| Column 8  | “Packing instruction” - This column contains alphanumeric codes which refer to the relevant packing instructions specified in section 4.1.4. The packing instructions indicate the packaging (including IBCs and large packagings), which may be used for the transport of substances and articles.   |

A code including the letter “P” refers to packing instructions for the use of packagings described in Chapters 6.1, 6.2 or 6.3.

A code including the letters “IBC” refers to packing instructions for the use of IBCs described in Chapter 6.5.

A code including the letters “LP” refers to packing instructions for the use of large packagings described in Chapter 6.6.

When a particular code is not provided, it means the substance is not authorized in the type of packaging that may be used according to the packing instructions bearing that code.

When N/A is included in the column it means that the substance or article need not be packaged.

The packing instructions are listed in numerical order in section 4.1.4 as follows:

Sub-section 4.1.4.1: Packing instructions concerning the use of packagings (except IBCs and large packagings) (P);

Sub-section 4.1.4.2: Packing instructions concerning the use of IBCs (IBC);

Sub-section 4.1.4.3: Packing instructions concerning the use of large packagings (LP).

Column 9 “Special packing provisions” - this column contains alphanumeric codes which refer to the relevant special packing provisions specified in section 4.1.4. The special packing provisions indicate the special provisions for packaging (including IBCs and large packagings).

A special packing provision including the letters “PP” refers to special packing provision applicable to the use of packing instructions bearing the Code “P” in 4.1.4.1.

A special packing provision including the letter “B” refers to special packing provision applicable to the use of packing instructions bearing the code “IBC” in 4.1.4.2.

A special provision including the letter “L” refers to special packing provision applicable to packing instructions bearing the code “LP” in 4.1.4.3.

Column 10 “Portable tank and bulk containers/Instructions” - this column contains a number preceded by the letter “T” which refers to the relevant instruction in 4.2.5 specifying the tank type(s) required for the transport of the substance in portable tanks.

A code including the letters “BK” refers to types of bulk containers used for the transport of bulk goods described in Chapter 6.8.

The gases authorized for transport in MEGCs are indicated in the column “MEGC” in Tables 1 and 2 of packing instruction P200 in 4.1.4.1.

Column 11 “Portable tank and bulk containers/Special provisions” - this column contains a number preceded by the letters “TP” referring to any special provisions indicated in 4.2.5.3 that apply to the transport of the substance in portable tanks.

### 3.2.2 Abbreviations and symbols

The following abbreviations or symbols are used in the Dangerous Goods List and have the meanings shown:

Abbreviation	Column	Meaning
N.O.S.	2	Not otherwise specified.
†	2	Entry for which there is an explanation in Appendix B.



UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0004	AMMONIUM PICRATE dry or wetted with less than 10% water, by mass†	1.1D				0	E0	P112(a) P112(b) P112(c)	PP26		
0005	CARTRIDGES FOR WEAPONS with bursting charge†	1.1F				0	E0	P130			
0006	CARTRIDGES FOR WEAPONS with bursting charge†	1.1E				0	E0	P130 LP101	PP67 L1		
0007	CARTRIDGES FOR WEAPONS with bursting charge†	1.2F				0	E0	P130			
0009	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge†	1.2G				0	E0	P130 LP101	PP67 L1		
0010	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge†	1.3G				0	E0	P130 LP101	PP67 L1		
0012	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS†	1.4S			364	5 kg	E0	P130			
0014	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK or CARTRIDGES FOR TOOLS, BLANK†	1.4S			364	5 kg	E0	P130			
0015	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge†	1.2G			204	0	E0	P130 LP101	PP67 L1		
0016	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge†	1.3G			204	0	E0	P130 LP101	PP67 L1		
0018	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge†	1.2G	6.1 8			0	E0	P130 LP101	PP67 L1		
0019	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge†	1.3G	6.1 8			0	E0	P130 LP101	PP67 L1		
0020	AMMUNITION, TOXIC with burster, expelling charge or propelling charge†	1.2K	6.1		274	0	E0	P101			
0021	AMMUNITION, TOXIC with burster, expelling charge or propelling charge†	1.3K	6.1		274	0	E0	P101			
0027	BLACK POWDER (GUNPOWDER), granular or as a meal†	1.1D				0	E0	P113	PP50		
0028	BLACK POWDER (GUNPOWDER), COMPRESSED or BLACK POWDER (GUNPOWDER), IN PELLETS†	1.1D				0	E0	P113	PP51		
0029	DETONATORS, NON-ELECTRIC for blasting†	1.1B				0	E0	P131	PP68		
0030	DETONATORS, ELECTRIC for blasting†	1.1B				0	E0	P131			
0033	BOMBS with bursting charge†	1.1F				0	E0	P130			
0034	BOMBS with bursting charge†	1.1D				0	E0	P130 LP101	PP67 L1		
0035	BOMBS with bursting charge†	1.2D				0	E0	P130 LP101	PP67 L1		
0037	BOMBS, PHOTO-FLASH†	1.1F				0	E0	P130			
0038	BOMBS, PHOTO-FLASH†	1.1D				0	E0	P130 LP101	PP67 L1		

UN No.	Name and description	Class or division	Subsidiary hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0039	BOMBS, PHOTO-FLASH†	1.2G				0	E0	P130 LP101	PP67 L1		
0042	BOOSTERS without detonator†	1.1D				0	E0	P132(a) P132(b)			
0043	BURSTERS, explosive†	1.1D				0	E0	P133	PP69		
0044	PRIMERS, CAP TYPE†	1.4S				0	E0	P133			
0048	CHARGES, DEMOLITION†	1.1D				0	E0	P130 LP101	PP67 L1		
0049	CARTRIDGES, FLASH†	1.1G				0	E0	P135			
0050	CARTRIDGES, FLASH†	1.3G				0	E0	P135			
0054	CARTRIDGES, SIGNAL†	1.3G				0	E0	P135			
0055	CASES, CARTRIDGE, EMPTY, WITH PRIMER†	1.4S			364	5 kg	E0	P136			
0056	CHARGES, DEPTH†	1.1D				0	E0	P130 LP101	PP67 L1		
0059	CHARGES, SHAPED without detonator†	1.1D				0	E0	P137	PP70		
0060	CHARGES, SUPPLEMENTARY, EXPLOSIVE†	1.1D				0	E0	P132(a) P132(b)			
0065	CORD, DETONATING, flexible†	1.1D				0	E0	P139	PP71 PP72		
0066	CORD, IGNITER†	1.4G				0	E0	P140			
0070	CUTTERS, CABLE, EXPLOSIVE†	1.4S				0	E0	P134 LP102			
0072	CYCLOTTRIMETHYLENE-TRINITRAMINE (CYCLONITE; HEXOGEN; RDX), WETTED with not less than 15% water, by mass†	1.1D			266	0	E0	P112(a)	PP45		
0073	DETONATORS FOR AMMUNITION†	1.1B				0	E0	P133			
0074	DIAZODINITROPHENOL, WETTED with not less than 40% water, or mixture of alcohol and water, by mass†	1.1A			266	0	E0	P110(a) P110(b)	PP42		
0075	DIETHYLENEGLYCOL DINITRATE, DESENSITIZED with not less than 25% non-volatile, water-insoluble phlegmatizer, by mass†	1.1D			266	0	E0	P115	PP53 PP54 PP57 PP58		
0076	DINITROPHENOL, dry or wetted with less than 15% water, by mass†	1.1D	6.1			0	E0	P112(a) P112(b) P112(c)	PP26		
0077	DINITROPHENOLATES, alkali metals, dry or wetted with less than 15% water, by mass†	1.3C	6.1			0	E0	P114(a) P114(b)	PP26		
0078	DINITRORESORCINOL, dry or wetted with less than 15% water, by mass†	1.1D				0	E0	P112(a) P112(b) P112(c)	PP26		
0079	HEXANITRODIPHENYLAMINE (DIPICRYLAMINE; HEXYL)†	1.1D				0	E0	P112(b) P112(c)			
0081	EXPLOSIVE, BLASTING, TYPE A†	1.1D				0	E0	P116	PP63 PP66		
0082	EXPLOSIVE, BLASTING, TYPE B†	1.1D				0	E0	P116	PP61 PP62		
0083	EXPLOSIVE, BLASTING, TYPE C†	1.1D			267	0	E0	IBC100 P116	B9		
0084	EXPLOSIVE, BLASTING, TYPE D†	1.1D				0	E0	P116			
0092	FLARES, SURFACE†	1.3G				0	E0	P135			
0093	FLARES, AERIAL†	1.3G				0	E0	P135			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0094	FLASH POWDER†	1.1G				0	E0	P113	PP49		
0099	FRACTURING DEVICES, EXPLOSIVE without detonator, for oil wells	1.1D				0	E0	P134 LP102			
0101	FUSE, NON-DETONATING†	1.3G				0	E0	P140	PP74 PP75		
0102	CORD (FUSE), DETONATING, metal clad†	1.2D				0	E0	P139	PP71		
0103	FUSE, IGNITER, tubular, metal clad†	1.4G				0	E0	P140			
0104	CORD (FUSE), DETONATING, MILD EFFECT, metal clad†	1.4D				0	E0	P139	PP71		
0105	FUSE, SAFETY†	1.4S				0	E0	P140	PP73		
0106	FUZES, DETONATING†	1.1B				0	E0	P141			
0107	FUZES, DETONATING†	1.2B				0	E0	P141			
0110	GRENADES, PRACTICE, hand or rifle†	1.4S				0	E0	P141			
0113	GUANYL NITROSAMINO-GUANYLIDENE HYDRAZINE, WETTED with not less than 30% water, by mass†	1.1A			266	0	E0	P110(a) P110(b)	PP42		
0114	GUANYL NITROSAMINO-GUANYLTETRAZENE (TETRAZENE), WETTED with not less than 30% water, or mixture of alcohol and water, by mass†	1.1A			266	0	E0	P110(a) P110(b)	PP42		
0118	HEXOLITE (HEXOTOL), dry or wetted with less than 15% water, by mass†	1.1D				0	E0	P112(a) P112(b) P112(c)			
0121	IGNITERS†	1.1G				0	E0	P142			
0124	JET PERFORATING GUNS, CHARGED, oil well, without detonator†	1.1D				0	E0	P101			
0129	LEAD AZIDE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass†	1.1A			266	0	E0	P110(a) P110(b)	PP42		
0130	LEAD STYPHNATE (LEAD TRINITRORESORCINATE), WETTED with not less than 20% water, or mixture of alcohol and water, by mass†	1.1A			266	0	E0	P110(a) P110(b)	PP42		
0131	LIGHTERS, FUSE†	1.4S				0	E0	P142			
0132	DEFLAGRATING METAL SALTS OF AROMATIC NITRODERIVATIVES, N.O.S.†	1.3C				0	E0	P114(a) P114(b)	PP26		
0133	MANNITOL HEXANITRATE (NITROMANNITE), WETTED with not less than 40% water, or mixture of alcohol and water, by mass†	1.1D			266	0	E0	P112(a)			
0135	MERCURY FULMINATE, WETTED with not less than 20% water, or mixture of alcohol and water, by mass†	1.1A			266	0	E0	P110(a) P110(b)	PP42		
0136	MINES with bursting charge†	1.1F				0	E0	P130			
0137	MINES with bursting charge†	1.1D				0	E0	P130 LP101	PP67 L1		
0138	MINES with bursting charge†	1.2D				0	E0	P130 LP101	PP67 L1		

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0143	NITROGLYCERIN, DESENSITIZED with not less than 40% non-volatile water-insoluble phlegmatizer, by mass†	1.1D	6.1		266 271	0	E0	P115	PP53 PP54 PP57 PP58		
0144	NITROGLYCERIN SOLUTION IN ALCOHOL with more than 1% but not more than 10% nitroglycerin†	1.1D			358	0	E0	P115	PP45 PP55 PP56 PP59 PP60		
0146	NITROSTARCH, dry or wetted with less than 20% water, by mass†	1.1D				0	E0	P112(a) P112(b) P112(c)			
0147	NITRO UREA†	1.1D				0	E0	P112(b)			
0150	PENTAERYTHRITOL TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), WETTED with not less than 25% water, by mass, or PENTAERYTHRITOL TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN), DESENSITIZED with not less than 15% phlegmatizer, by mass†	1.1D			266	0	E0	P112(a) P112(b)			
0151	PENTOLITE, dry or wetted with less than 15% water, by mass†	1.1D				0	E0	P112(a) P112(b) P112(c)			
0153	TRINITROANILINE (PICRAMIDE)†	1.1D				0	E0	P112(b) P112(c)			
0154	TRINITROPHENOL (PICRIC ACID), dry or wetted with less than 30% water, by mass†	1.1D				0	E0	P112(a) P112(b) P112(c)	PP26		
0155	TRINITROCHLOROBENZENE (PICRYL CHLORIDE)†	1.1D				0	E0	P112(b) P112(c)			
0159	POWDER CAKE (POWDER PASTE), WETTED with not less than 25% water, by mass†	1.3C			266	0	E0	P111	PP43		
0160	POWDER, SMOKELESS†	1.1C				0	E0	P114(b)	PP50 PP52		
0161	POWDER, SMOKELESS†	1.3C				0	E0	P114(b)	PP50 PP52		
0167	PROJECTILES with bursting charge†	1.1F				0	E0	P130			
0168	PROJECTILES with bursting charge†	1.1D				0	E0	P130 LP101	PP67 L1		
0169	PROJECTILES with bursting charge†	1.2D				0	E0	P130 LP101	PP67 L1		
0171	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge†	1.2G				0	E0	P130 LP101	PP67 L1		
0173	RELEASE DEVICES, EXPLOSIVE†	1.4S				0	E0	P134 LP102			
0174	RIVETS, EXPLOSIVE	1.4S				0	E0	P134 LP102			
0180	ROCKETS with bursting charge†	1.1F				0	E0	P130			
0181	ROCKETS with bursting charge†	1.1E				0	E0	P130 LP101	PP67 L1		
0182	ROCKETS with bursting charge†	1.2E				0	E0	P130 LP101	PP67 L1		
0183	ROCKETS with inert head†	1.3C				0	E0	P130 LP101	PP67 L1		
0186	ROCKET MOTORS†	1.3C				0	E0	P130 LP101	PP67 L1		

UN No.	Name and description	Class or division	Subsidiary hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0190	SAMPLES, EXPLOSIVE, other than initiating explosive†				16 274		E0	P101			
0191	SIGNAL DEVICES, HAND†	1.4G				0	E0	P135			
0192	SIGNALS, RAILWAY TRACK, EXPLOSIVE†	1.1G				0	E0	P135			
0193	SIGNALS, RAILWAY TRACK, EXPLOSIVE†	1.4S				0	E0	P135			
0194	SIGNALS, DISTRESS, ship†	1.1G				0	E0	P135			
0195	SIGNALS, DISTRESS, ship†	1.3G				0	E0	P135			
0196	SIGNALS, SMOKE†	1.1G				0	E0	P135			
0197	SIGNALS, SMOKE†	1.4G				0	E0	P135			
0204	SOUNDING DEVICES, EXPLOSIVE†	1.2F				0	E0	P134 LP102			
0207	TETRANITROANILINE†	1.1D				0	E0	P112(b) P112(c)			
0208	TRINITROPHENYLMETHYL-NITRAMINE (TETRYL)†	1.1D				0	E0	P112(b) P112(c)			
0209	TRINITROTOLUENE (TNT), dry or wetted with less than 30% water, by mass†	1.1D				0	E0	P112(b) P112(c)	PP46		
0212	TRACERS FOR AMMUNITION†	1.3G				0	E0	P133	PP69		
0213	TRINITROANISOLE†	1.1D				0	E0	P112(b) P112(c)			
0214	TRINITROBENZENE, dry or wetted with less than 30% water, by mass†	1.1D				0	E0	P112(a) P112(b) P112(c)			
0215	TRINITROBENZOIC ACID, dry or wetted with less than 30% water, by mass†	1.1D				0	E0	P112(a) P112(b) P112(c)			
0216	TRINITRO-m-CRESOL†	1.1D				0	E0	P112(b) P112(c)	PP26		
0217	TRINITRONAPHTHALENE†	1.1D				0	E0	P112(b) P112(c)			
0218	TRINITROPHENETOLE†	1.1D				0	E0	P112(b) P112(c)			
0219	TRINITRORESORCINOL (STYPHNIC ACID), dry or wetted with less than 20% water, or mixture of alcohol and water, by mass†	1.1D				0	E0	P112(a) P112(b) P112(c)	PP26		
0220	UREA NITRATE, dry or wetted with less than 20% water, by mass†	1.1D				0	E0	P112(a) P112(b) P112(c)			
0221	WARHEADS, TORPEDO with bursting charge†	1.1D				0	E0	P130 LP101	PP67 L1		
0222	AMMONIUM NITRATE	1.1D			370	0	E0	P112(b) P112(c) IBC100	PP47 B2, B3, B17		
0224	BARIUM AZIDE, dry or wetted with less than 50% water, by mass†	1.1A	6.1			0	E0	P110(a) P110(b)	PP42		
0225	BOOSTERS WITH DETONATOR†	1.1B				0	E0	P133	PP69		
0226	CYCLOTETRAMETHYLENE-TETRANITRAMINE (HMX; OCTOGEN), WETTED with not less than 15% water, by mass†	1.1D			266	0	E0	P112(a)	PP45		
0234	SODIUM DINITRO-o-CRESOLATE, dry or wetted with less than 15% water, by mass†	1.3C				0	E0	P114(a) P114(b)	PP26		
0235	SODIUM PICRAMATE, dry or wetted with less than 20% water, by mass†	1.3C				0	E0	P114(a) P114(b)	PP26		

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0236	ZIRCONIUM PICRAMATE, dry or wetted with less than 20% water, by mass†	1.3C				0	E0	P114(a) P114(b)	PP26		
0237	CHARGES, SHAPED, FLEXIBLE, LINEAR†	1.4D				0	E0	P138			
0238	ROCKETS, LINE-THROWING†	1.2G				0	E0	P130			
0240	ROCKETS, LINE-THROWING†	1.3G				0	E0	P130			
0241	EXPLOSIVE, BLASTING, TYPE E†	1.1D				0	E0	P116  IBC100	PP61 PP62  B10		
0242	CHARGES, PROPELLING, FOR CANNON†	1.3C				0	E0	P130			
0243	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge†	1.2H				0	E0	P130 LP101	PP67 L1		
0244	AMMUNITION, INCENDIARY, WHITE PHOSPHORUS with burster, expelling charge or propelling charge†	1.3H				0	E0	P130 LP101	PP67 L1		
0245	AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge†	1.2H				0	E0	P130 LP101	PP67 L1		
0246	AMMUNITION, SMOKE, WHITE PHOSPHORUS with burster, expelling charge or propelling charge†	1.3H				0	E0	P130 LP101	PP67 L1		
0247	AMMUNITION, INCENDIARY, liquid or gel, with burster, expelling charge or propelling charge†	1.3J				0	E0	P101			
0248	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge†	1.2L			274	0	E0	P144	PP77		
0249	CONTRIVANCES, WATER-ACTIVATED with burster, expelling charge or propelling charge†	1.3L			274	0	E0	P144	PP77		
0250	ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge†	1.3L				0	E0	P101			
0254	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge†	1.3G				0	E0	P130 LP101	PP67 L1		
0255	DETONATORS, ELECTRIC for blasting†	1.4B				0	E0	P131			
0257	FUZES, DETONATING†	1.4B				0	E0	P141			
0266	OCTOLITE (OCTOL), dry or wetted with less than 15% water, by mass†	1.1D				0	E0	P112(a) P112(b) P112(c)			
0267	DETONATORS, NON-ELECTRIC for blasting†	1.4B				0	E0	P131	PP68		
0268	BOOSTERS WITH DETONATOR†	1.2B				0	E0	P133	PP69		
0271	CHARGES, PROPELLING†	1.1C				0	E0	P143	PP76		
0272	CHARGES, PROPELLING†	1.3C				0	E0	P143	PP76		
0275	CARTRIDGES, POWER DEVICE†	1.3C				0	E0	P134 LP102			
0276	CARTRIDGES, POWER DEVICE†	1.4C				0	E0	P134 LP102			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0277	CARTRIDGES, OIL WELL†	1.3C				0	E0	P134 LP102			
0278	CARTRIDGES, OIL WELL†	1.4C				0	E0	P134 LP102			
0279	CHARGES, PROPELLING, FOR CANNON†	1.1C				0	E0	P130			
0280	ROCKET MOTORS†	1.1C				0	E0	P130 LP101	PP67 L1		
0281	ROCKET MOTORS†	1.2C				0	E0	P130 LP101	PP67 L1		
0282	NITROGUANIDINE (PICRITE), dry or wetted with less than 20% water, by mass†	1.1D				0	E0	P112(a) P112(b) P112(c)			
0283	BOOSTERS without detonator†	1.2D				0	E0	P132(a) P132(b)			
0284	GRENADES, hand or rifle, with bursting charge†	1.1D				0	E0	P141			
0285	GRENADES, hand or rifle, with bursting charge†	1.2D				0	E0	P141			
0286	WARHEADS, ROCKET with bursting charge†	1.1D				0	E0	P130 LP101	PP67 L1		
0287	WARHEADS, ROCKET with bursting charge†	1.2D				0	E0	P130 LP101	PP67 L1		
0288	CHARGES, SHAPED, FLEXIBLE, LINEAR†	1.1D				0	E0	P138			
0289	CORD, DETONATING, flexible†	1.4D				0	E0	P139	PP71 PP72		
0290	CORD (FUSE), DETONATING, metal clad†	1.1D				0	E0	P139	PP71		
0291	BOMBS with bursting charge†	1.2F				0	E0	P130			
0292	GRENADES, hand or rifle, with bursting charge†	1.1F				0	E0	P141			
0293	GRENADES, hand or rifle, with bursting charge†	1.2F				0	E0	P141			
0294	MINES with bursting charge†	1.2F				0	E0	P130			
0295	ROCKETS with bursting charge†	1.2F				0	E0	P130			
0296	SOUNDING DEVICES, EXPLOSIVE†	1.1F				0	E0	P134 LP102			
0297	AMMUNITION, ILLUMINATING with or without burster, expelling charge or propelling charge†	1.4G				0	E0	P130 LP101	PP67 L1		
0299	BOMBS, PHOTO-FLASH†	1.3G				0	E0	P130 LP101	PP67 L1		
0300	AMMUNITION, INCENDIARY with or without burster, expelling charge or propelling charge†	1.4G				0	E0	P130 LP101	PP67 L1		
0301	AMMUNITION, TEAR-PRODUCING with burster, expelling charge or propelling charge†	1.4G	6.1 8			0	E0	P130 LP101	PP67 L1		
0303	AMMUNITION, SMOKE with or without burster, expelling charge or propelling charge†	1.4G			204	0	E0	P130 LP101	PP67 L1		
0305	FLASH POWDER†	1.3G				0	E0	P113	PP49		
0306	TRACERS FOR AMMUNITION†	1.4G				0	E0	P133	PP69		
0312	CARTRIDGES, SIGNAL†	1.4G				0	E0	P135			
0313	SIGNALS, SMOKE†	1.2G				0	E0	P135			
0314	IGNITERS†	1.2G				0	E0	P142			
0315	IGNITERS†	1.3G				0	E0	P142			
0316	FUZES, IGNITING†	1.3G				0	E0	P141			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0317	FUZES, IGNITING†	1.4G				0	E0	P141			
0318	GRENADERS, PRACTICE, hand or rifle†	1.3G				0	E0	P141			
0319	PRIMERS, TUBULAR†	1.3G				0	E0	P133			
0320	PRIMERS, TUBULAR†	1.4G				0	E0	P133			
0321	CARTRIDGES FOR WEAPONS with bursting charge†	1.2E				0	E0	P130 LP101	PP67 L1		
0322	ROCKET MOTORS WITH HYPERGOLIC LIQUIDS with or without expelling charge†	1.2L				0	E0	P101			
0323	CARTRIDGES, POWER DEVICE†	1.4S			347	0	E0	P134 LP102			
0324	PROJECTILES with bursting charge†	1.2F				0	E0	P130			
0325	IGNITERS†	1.4G				0	E0	P142			
0326	CARTRIDGES FOR WEAPONS, BLANK†	1.1C				0	E0	P130			
0327	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK†	1.3C				0	E0	P130			
0328	CARTRIDGES FOR WEAPONS, INERT PROJECTILE†	1.2C				0	E0	P130 LP101	PP67 L1		
0329	TORPEDOES with bursting charge†	1.1E				0	E0	P130 LP101	PP67 L1		
0330	TORPEDOES with bursting charge†	1.1F				0	E0	P130			
0331	EXPLOSIVE, BLASTING, TYPE B† (AGENT, BLASTING, TYPE B)	1.5D				0	E0	P116  IBC100	PP61 PP62 PP64	T1	TP1 TP17 TP32
0332	EXPLOSIVE, BLASTING, TYPE E† (AGENT, BLASTING, TYPE E)	1.5D				0	E0	P116  IBC100	PP61 PP62	T1	TP1 TP17 TP32
0333	FIREWORKS†	1.1G				0	E0	P135			
0334	FIREWORKS†	1.2G				0	E0	P135			
0335	FIREWORKS†	1.3G				0	E0	P135			
0336	FIREWORKS†	1.4G				0	E0	P135			
0337	FIREWORKS†	1.4S				0	E0	P135			
0338	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK†	1.4C				0	E0	P130			
0339	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS†	1.4C				0	E0	P130			
0340	NITROCELLULOSE, dry or wetted with less than 25% water (or alcohol), by mass†	1.1D				0	E0	P112(a) P112(b)			
0341	NITROCELLULOSE, unmodified or plasticized with less than 18% plasticizing substance, by mass†	1.1D				0	E0	P112(b)			
0342	NITROCELLULOSE, WETTED with not less than 25% alcohol, by mass†	1.3C			105	0	E0	P114(a)	PP43		
0343	NITROCELLULOSE, PLASTICIZED with not less than 18% plasticizing substance, by mass†	1.3C			105	0	E0	P111			
0344	PROJECTILES with bursting charge†	1.4D				0	E0	P130 LP101	PP67 L1		



UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0345	PROJECTILES, inert with tracer†	1.4S				0	E0	P130 LP101	PP67 L1		
0346	PROJECTILES with burster or expelling charge†	1.2D				0	E0	P130 LP101	PP67 L1		
0347	PROJECTILES with burster or expelling charge†	1.4D				0	E0	P130 LP101	PP67 L1		
0348	CARTRIDGES FOR WEAPONS with bursting charge†	1.4F				0	E0	P130			
0349	ARTICLES, EXPLOSIVE, N.O.S.	1.4S			178 274 347	0	E0	P101			
0350	ARTICLES, EXPLOSIVE, N.O.S.	1.4B			178 274	0	E0	P101			
0351	ARTICLES, EXPLOSIVE, N.O.S.	1.4C			178 274	0	E0	P101			
0352	ARTICLES, EXPLOSIVE, N.O.S.	1.4D			178 274	0	E0	P101			
0353	ARTICLES, EXPLOSIVE, N.O.S.	1.4G			178 274	0	E0	P101			
0354	ARTICLES, EXPLOSIVE, N.O.S.	1.1L			178 274	0	E0	P101			
0355	ARTICLES, EXPLOSIVE, N.O.S.	1.2L			178 274	0	E0	P101			
0356	ARTICLES, EXPLOSIVE, N.O.S.	1.3L			178 274	0	E0	P101			
0357	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1L			178 274	0	E0	P101			
0358	SUBSTANCES, EXPLOSIVE, N.O.S.	1.2L			178 274	0	E0	P101			
0359	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3L			178 274	0	E0	P101			
0360	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting†	1.1B				0	E0	P131			
0361	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting†	1.4B				0	E0	P131			
0362	AMMUNITION, PRACTICE†	1.4G				0	E0	P130 LP101	PP67 L1		
0363	AMMUNITION, PROOF†	1.4G				0	E0	P130 LP101	PP67 L1		
0364	DETONATORS FOR AMMUNITION†	1.2B				0	E0	P133			
0365	DETONATORS FOR AMMUNITION†	1.4B				0	E0	P133			
0366	DETONATORS FOR AMMUNITION†	1.4S			347	0	E0	P133			
0367	FUZES, DETONATING†	1.4S			-347	0	E0	P141			
0368	FUZES, IGNITING†	1.4S				0	E0	P141			
0369	WARHEADS, ROCKET with bursting charge†	1.1F				0	E0	P130			
0370	WARHEADS, ROCKET with burster or expelling charge†	1.4D				0	E0	P130 LP101	PP67 L1		
0371	WARHEADS, ROCKET with burster or expelling charge†	1.4F				0	E0	P130			
0372	GRENADES, PRACTICE, hand or rifle†	1.2G				0	E0	P141			
0373	SIGNAL DEVICES, HAND†	1.4S				0	E0	P135			
0374	SOUNDING DEVICES, EXPLOSIVE†	1.1D				0	E0	P134 LP102			
0375	SOUNDING DEVICES, EXPLOSIVE†	1.2D				0	E0	P134 LP102			
0376	PRIMERS, TUBULAR†	1.4S				0	E0	P133			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0377	PRIMERS, CAP TYPE†	1.1B				0	E0	P133			
0378	PRIMERS, CAP TYPE†	1.4B				0	E0	P133			
0379	CASES, CARTRIDGE, EMPTY, WITH PRIMER†	1.4C				0	E0	P136			
0380	ARTICLES, PYROPHORIC†	1.2L				0	E0	P101			
0381	CARTRIDGES, POWER DEVICE†	1.2C				0	E0	P134 LP102			
0382	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.†	1.2B			178 274	0	E0	P101			
0383	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.†	1.4B			178 274	0	E0	P101			
0384	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.†	1.4S			178 274 347	0	E0	P101			
0385	5-NITROBENZOTRIAZOL†	1.1D				0	E0	P112(b) P112(c)			
0386	TRINITROBENZENE-SULPHONIC ACID†	1.1D				0	E0	P112(b) P112(c)	PP26		
0387	TRINITROFLUORENONE†	1.1D				0	E0	P112(b) P112(c)			
0388	TRINITROTOLUENE (TNT) AND TRINITROBENZENE MIXTURE or TRINITROTOLUENE (TNT) AND HEXANITROSTILBENE MIXTURE†	1.1D				0	E0	P112(b) P112(c)			
0389	TRINITROTOLUENE (TNT) MIXTURE CONTAINING TRINITROBENZENE AND HEXANITROSTILBENE†	1.1D				0	E0	P112(b) P112(c)			
0390	TRITONAL†	1.1D				0	E0	P112(b) P112(c)			
0391	CYCLOTRIMETHYLENE-TRINITRAMINE (CYCLONITE; HEXOGEN; RDX) AND CYCLOTETRAMETHYLENE-TETRAMITRAMINE (HMX; OCTOGEN) MIXTURE, WETTED with not less than 15% water, by mass or CYCLOTRIMETHYLENE-TRINITRAMINE (CYCLONITE; HEXOGEN; RDX) AND CYCLOTETRAMETHYLENE-TETRAMITRAMINE (HMX; OCTOGEN) MIXTURE, DESENSITIZED with not less than 10% phlegmatizer, by mass†	1.1D			266	0	E0	P112(a) P112(b)			
0392	HEXANITROSTILBENE†	1.1D				0	E0	P112(b) P112(c)			
0393	HEXOTONAL†	1.1D				0	E0	P112(b)			
0394	TRINITRORESORCINOL (STYPHNIC ACID), WETTED with not less than 20% water, or mixture of alcohol and water, by mass†	1.1D				0	E0	P112(a)	PP26		
0395	ROCKET MOTORS, LIQUID FUELLED†	1.2J				0	E0	P101			
0396	ROCKET MOTORS, LIQUID FUELLED†	1.3J				0	E0	P101			
0397	ROCKETS, LIQUID FUELLED with bursting charge†	1.1J				0	E0	P101			
0398	ROCKETS, LIQUID FUELLED with bursting charge†	1.2J				0	E0	P101			
0399	BOMBS WITH FLAMMABLE LIQUID with bursting charge†	1.1J				0	E0	P101			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0400	BOMBS WITH FLAMMABLE LIQUID with bursting charge†	1.2J				0	E0	P101			
0401	DIPICRYL SULPHIDE, dry or wetted with less than 10% water, by mass†	1.1D				0	E0	P112(a) P112(b) P112(c)			
0402	AMMONIUM PERCHLORATE†	1.1D			152	0	E0	P112(b) P112(c)			
0403	FLARES, AERIAL†	1.4G				0	E0	P135			
0404	FLARES, AERIAL†	1.4S				0	E0	P135			
0405	CARTRIDGES, SIGNAL†	1.4S				0	E0	P135			
0406	DINITROBENZENE†	1.3C				0	E0	P114(b)			
0407	TETRAZOL-1-ACETIC ACID†	1.4C				0	E0	P114(b)			
0408	FUZES, DETONATING with protective features†	1.1D				0	E0	P141			
0409	FUZES, DETONATING with protective features†	1.2D				0	E0	P141			
0410	FUZES, DETONATING with protective features†	1.4D				0	E0	P141			
0411	PENTAERYTHRITOL TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN) with not less than 7% wax, by mass†	1.1D			131	0	E0	P112(b) P112(c)			
0412	CARTRIDGES FOR WEAPONS with bursting charge†	1.4E				0	E0	P130 LP101	PP67 L1		
0413	CARTRIDGES FOR WEAPONS, BLANK†	1.2C				0	E0	P130			
0414	CHARGES, PROPELLING, FOR CANNON†	1.2C				0	E0	P130			
0415	CHARGES, PROPELLING†	1.2C				0	E0	P143	PP76		
0417	CARTRIDGES FOR WEAPONS, INERT PROJECTILE or CARTRIDGES, SMALL ARMS†	1.3C				0	E0	P130			
0418	FLARES, SURFACE†	1.1G				0	E0	P135			
0419	FLARES, SURFACE†	1.2G				0	E0	P135			
0420	FLARES, AERIAL†	1.1G				0	E0	P135			
0421	FLARES, AERIAL†	1.2G				0	E0	P135			
0424	PROJECTILES, inert with tracer†	1.3G				0	E0	P130 LP101	PP67 L1		
0425	PROJECTILES, inert with tracer†	1.4G				0	E0	P130 LP101	PP67 L1		
0426	PROJECTILES with burster or expelling charge†	1.2F				0	E0	P130			
0427	PROJECTILES with burster or expelling charge†	1.4F				0	E0	P130			
0428	ARTICLES, PYROTECHNIC for technical purposes†	1.1G				0	E0	P135			
0429	ARTICLES, PYROTECHNIC for technical purposes†	1.2G				0	E0	P135			
0430	ARTICLES, PYROTECHNIC for technical purposes†	1.3G				0	E0	P135			
0431	ARTICLES, PYROTECHNIC for technical purposes†	1.4G				0	E0	P135			
0432	ARTICLES, PYROTECHNIC for technical purposes†	1.4S				0	E0	P135			
0433	POWDER CAKE (POWDER PASTE), WETTED with not less than 17% alcohol, by mass†	1.1C			266	0	E0	P111			

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						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0434	PROJECTILES with burster or expelling charge†	1.2G				0	E0	P130 LP101	PP67 L1		
0435	PROJECTILES with burster or expelling charge†	1.4G				0	E0	P130 LP101	PP67 L1		
0436	ROCKETS with expelling charge†	1.2C				0	E0	P130 LP101	PP67 L1		
0437	ROCKETS with expelling charge†	1.3C				0	E0	P130 LP101	PP67 L1		
0438	ROCKETS with expelling charge†	1.4C				0	E0	P130 LP101	PP67 L1		
0439	CHARGES, SHAPED, without detonator†	1.2D				0	E0	P137	PP70		
0440	CHARGES, SHAPED, without detonator†	1.4D				0	E0	P137	PP70		
0441	CHARGES, SHAPED, without detonator†	1.4S			347	0	E0	P137	PP70		
0442	CHARGES, EXPLOSIVE, COMMERCIAL without detonator†	1.1D				0	E0	P137			
0443	CHARGES, EXPLOSIVE, COMMERCIAL without detonator†	1.2D				0	E0	P137			
0444	CHARGES, EXPLOSIVE, COMMERCIAL without detonator†	1.4D				0	E0	P137			
0445	CHARGES, EXPLOSIVE, COMMERCIAL without detonator†	1.4S			347	0	E0	P137			
0446	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER†	1.4C				0	E0	P136			
0447	CASES, COMBUSTIBLE, EMPTY, WITHOUT PRIMER†	1.3C				0	E0	P136			
0448	5-MERCAPTOTETRAZOL-1-ACETIC ACID†	1.4C				0	E0	P114(b)			
0449	TORPEDOES, LIQUID FUELLED with or without bursting charge†	1.1J				0	E0	P101			
0450	TORPEDOES, LIQUID FUELLED with inert head†	1.3J				0	E0	P101			
0451	TORPEDOES with bursting charge†	1.1D				0	E0	P130 LP101	PP67 L1		
0452	GRENADES, PRACTICE, hand or rifle†	1.4G				0	E0	P141			
0453	ROCKETS, LINE-THROWING†	1.4G				0	E0	P130			
0454	IGNITERS†	1.4S				0	E0	P142			
0455	DETONATORS, NON-ELECTRIC for blasting†	1.4S			347	0	E0	P131	PP68		
0456	DETONATORS, ELECTRIC for blasting†	1.4S			347	0	E0	P131			
0457	CHARGES, BURSTING, PLASTICS BONDED	1.1D				0	E0	P130			
0458	CHARGES, BURSTING, PLASTICS BONDED	1.2D				0	E0	P130			
0459	CHARGES, BURSTING, PLASTICS BONDED	1.4D				0	E0	P130			
0460	CHARGES, BURSTING, PLASTICS BONDED	1.4S			347	0	E0	P130			
0461	COMPONENTS, EXPLOSIVE TRAIN, N.O.S.†	1.1B			178 274	0	E0	P101			
0462	ARTICLES, EXPLOSIVE, N.O.S.	1.1C			178 274	0	E0	P101			
0463	ARTICLES, EXPLOSIVE, N.O.S.	1.1D			178 274	0	E0	P101			
0464	ARTICLES, EXPLOSIVE, N.O.S.	1.1E			178 274	0	E0	P101			

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						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0465	ARTICLES, EXPLOSIVE, N.O.S.	1.1F			178 274	0	E0	P101			
0466	ARTICLES, EXPLOSIVE, N.O.S.	1.2C			178 274	0	E0	P101			
0467	ARTICLES, EXPLOSIVE, N.O.S.	1.2D			178 274	0	E0	P101			
0468	ARTICLES, EXPLOSIVE, N.O.S.	1.2E			178 274	0	E0	P101			
0469	ARTICLES, EXPLOSIVE, N.O.S.	1.2F			178 274	0	E0	P101			
0470	ARTICLES, EXPLOSIVE, N.O.S.	1.3C			178 274	0	E0	P101			
0471	ARTICLES, EXPLOSIVE, N.O.S.	1.4E			178 274	0	E0	P101			
0472	ARTICLES, EXPLOSIVE, N.O.S.	1.4F			178 274	0	E0	P101			
0473	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1A			178 274	0	E0	P101			
0474	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1C			178 274	0	E0	P101			
0475	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1D			178 274	0	E0	P101			
0476	SUBSTANCES, EXPLOSIVE, N.O.S.	1.1G			178 274	0	E0	P101			
0477	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3C			178 274	0	E0	P101			
0478	SUBSTANCES, EXPLOSIVE, N.O.S.	1.3G			178 274	0	E0	P101			
0479	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4C			178 274	0	E0	P101			
0480	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4D			178 274	0	E0	P101			
0481	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4S			178 274 347	0	E0	P101			
0482	SUBSTANCES, EXPLOSIVE, VERY INSENSITIVE (SUBSTANCES, EVI), N.O.S.†	1.5D			178 274	0	E0	P101			
0483	CYCLOTTRIMETHYLENE-TRINITRAMINE (CYCLONITE; HEXOGEN; RDX), DESENSITIZED	1.1D				0	E0	P112(b) P112(c)			
0484	CYCLOTETRAMETHYLENE-TETRANITRAMINE (HMX; OCTOGEN), DESENSITIZED	1.1D				0	E0	P112(b) P112(c)			
0485	SUBSTANCES, EXPLOSIVE, N.O.S.	1.4G			178 274	0	E0	P101			
0486	ARTICLES, EXPLOSIVE, EXTREMELY INSENSITIVE (ARTICLES, EEI)†	1.6N				0	E0	P101			
0487	SIGNALS, SMOKE†	1.3G				0	E0	P135			
0488	AMMUNITION, PRACTICE†	1.3G				0	E0	P130 LP101	PP67 L1		
0489	DINITROGLYCOLURIL (DINGU)†	1.1D				0	E0	P112(b) P112(c)			
0490	NITROTRIAZOLONE (NTO)†	1.1D				0	E0	P112(b) P112(c)			
0491	CHARGES, PROPELLING†	1.4C				0	E0	P143	PP76		
0492	SIGNALS, RAILWAY TRACK, EXPLOSIVE†	1.3G				0	E0	P135			
0493	SIGNALS, RAILWAY TRACK, EXPLOSIVE†	1.4G				0	E0	P135			

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						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
0494	JET PERFORATING GUNS, CHARGED, oil well, without detonator†	1.4D				0	E0	P101			
0495	PROPELLANT, LIQUID†	1.3C			224	0	E0	P115	PP53 PP54 PP57 PP58		
0496	OCTONAL	1.1D				0	E0	P112(b) P112(c)			
0497	PROPELLANT, LIQUID†	1.1C			224	0	E0	P115	PP53 PP54 PP57 PP58		
0498	PROPELLANT, SOLID†	1.1C				0	E0	P114(b)			
0499	PROPELLANT, SOLID†	1.3C				0	E0	P114(b)			
0500	DETONATOR ASSEMBLIES, NON-ELECTRIC for blasting†	1.4S			347	0	E0	P131			
0501	PROPELLANT, SOLID†	1.4C				0	E0	P114(b)			
0502	ROCKETS with inert head†	1.2C				0	E0	P130 LP101	PP67 L1		
0503	SAFETY DEVICES, PYROTECHNIC†	1.4G			235 289	0	E0	P135			
0504	1H-TETRAZOLE	1.1D				0	E0	P112(c)	PP48		
0505	SIGNALS, DISTRESS, ship†	1.4G				0	E0	P135			
0506	SIGNALS, DISTRESS, ship†	1.4S				0	E0	P135			
0507	SIGNALS, SMOKE†	1.4S				0	E0	P135			
0508	1-HYDROXYBENZOTRIAZOLE, ANHYDROUS, dry or wetted with less than 20% water, by mass	1.3C				0	E0	P114(b)	PP48 PP50		
0509	POWDER, SMOKELESS†	1.4C				0	E0	P114(b)	PP48		
0510	ROCKET MOTORS†	1.4C				0	E0	P130 LP101	PP67 L1		
1001	ACETYLENE, DISSOLVED	2.1				0	E0	P200			
1002	AIR, COMPRESSED	2.2				120 ml	E1	P200			
1003	AIR, REFRIGERATED LIQUID	2.2	5.1			0	E0	P203		T75	TP5 TP22
1005	AMMONIA, ANHYDROUS	2.3	8		23 379	0	E0	P200		T50	
1006	ARGON, COMPRESSED	2.2			378	120 ml	E1	P200			
1008	BORON TRIFLUORIDE	2.3	8		373	0	E0	P200			
1009	BROMOTRIFLUOROMETHANE (REFRIGERANT GAS R 13B1)	2.2				120 ml	E1	P200		T50	
1010	BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, containing more than 40% butadienes	2.1			386	0	E0	P200		T50	
1011	BUTANE	2.1			392-	0	E0	P200		T50	
1012	BUTYLENE	2.1				0	E0	P200		T50	
1013	CARBON DIOXIDE	2.2			378	120 ml	E1	P200			
1016	CARBON MONOXIDE, COMPRESSED	2.3	2.1			0	E0	P200			
1017	CHLORINE	2.3	5.1 8			0	E0	P200		T50	TP19
1018	CHLORODIFLUOROMETHANE (REFRIGERANT GAS R 22)	2.2				120 ml	E1	P200		T50	
1020	CHLOROPENTAFLUOROETHANE (REFRIGERANT GAS R 115)	2.2				120 ml	E1	P200		T50	

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						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1021	1-CHLORO-1,2,2,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 124)	2.2				120 ml	E1	P200		T50	
1022	CHLOROTRIFLUOROMETHANE (REFRIGERANT GAS R 13)	2.2				120 ml	E1	P200			
1023	COAL GAS, COMPRESSED	2.3	2.1			0	E0	P200			
1026	CYANOGEN	2.3	2.1			0	E0	P200			
1027	CYCLOPROPANE	2.1				0	E0	P200		T50	
1028	DICHLORODIFLUOROMETHANE (REFRIGERANT GAS R 12)	2.2				120 ml	E1	P200		T50	
1029	DICHLOROFLUOROMETHANE (REFRIGERANT GAS R 21)	2.2				120 ml	E1	P200		T50	
1030	1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)	2.1				0	E0	P200		T50	
1032	DIMETHYLAMINE, ANHYDROUS	2.1				0	E0	P200		T50	
1033	DIMETHYL ETHER	2.1				0	E0	P200		T50	
1035	ETHANE	2.1				0	E0	P200			
1036	ETHYLAMINE	2.1				0	E0	P200		T50	
1037	ETHYL CHLORIDE	2.1				0	E0	P200		T50	
1038	ETHYLENE, REFRIGERATED LIQUID	2.1				0	E0	P203		T75	TP5
1039	ETHYL METHYL ETHER	2.1				0	E0	P200			
1040	ETHYLENE OXIDE, or ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50 °C	2.3	2.1		342	0	E0	P200		T50	TP20
1041	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 9% but not more than 87% ethylene oxide	2.1				0	E0	P200		T50	
1043	FERTILIZER AMMONIATING SOLUTION with free ammonia	2.2				120 ml	E0	P200			
1044	FIRE EXTINGUISHERS with compressed or liquefied gas	2.2			225	120 ml	E0	P003	PP91		
1045	FLUORINE, COMPRESSED	2.3	5.1 8			0	E0	P200			
1046	HELIUM, COMPRESSED	2.2			378	120 ml	E1	P200			
1048	HYDROGEN BROMIDE, ANHYDROUS	2.3	8			0	E0	P200			
1049	HYDROGEN, COMPRESSED	2.1			-392	0	E0	P200			
1050	HYDROGEN CHLORIDE, ANHYDROUS	2.3	8			0	E0	P200			
1051	HYDROGEN CYANIDE, STABILIZED containing less than 3% water	6.1	3	I	386	0	E0	P200			
1052	HYDROGEN FLUORIDE, ANHYDROUS	8	6.1	I		0	E0	P200		T10	TP2
1053	HYDROGEN SULPHIDE	2.3	2.1			0	E0	P200			
1055	ISOBUTYLENE	2.1				0	E0	P200		T50	
1056	KRYPTON, COMPRESSED	2.2			378	120 ml	E1	P200			
1057	LIGHTERS or LIGHTER REFILLS containing flammable gas	2.1			201	0	E0	P002	PP84		
1058	LIQUEFIED GASES, non-flammable, charged with nitrogen, carbon dioxide or air	2.2				120 ml	E1	P200			

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						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1060	METHYLACETYLENE AND PROPADIENE MIXTURE, STABILIZED	2.1			386	0	E0	P200		T50	
1061	METHYLAMINE, ANHYDROUS	2.1				0	E0	P200		T50	
1062	METHYL BROMIDE with not more than 2% chloropicrin	2.3			23	0	E0	P200		T50	
1063	METHYL CHLORIDE (REFRIGERANT GAS R 40)	2.1				0	E0	P200		T50	
1064	METHYL MERCAPTAN	2.3	2.1			0	E0	P200		T50	
1065	NEON, COMPRESSED	2.2			378	120 ml	E1	P200			
1066	NITROGEN, COMPRESSED	2.2			378	120 ml	E1	P200			
1067	DINITROGEN TETROXIDE (NITROGEN DIOXIDE)	2.3	5.1 8			0	E0	P200		T50	TP21
1069	NITROSYL CHLORIDE	2.3	8			0	E0	P200			
1070	NITROUS OXIDE	2.2	5.1			0	E0	P200			
1071	OIL GAS, COMPRESSED	2.3	2.1			0	E0	P200			
1072	OXYGEN, COMPRESSED	2.2	5.1		355	0	E0	P200			
1073	OXYGEN, REFRIGERATED LIQUID	2.2	5.1			0	E0	P203		T75	TP5 TP22
1075	PETROLEUM GASES, LIQUEFIED	2.1			-392	0	E0	P200		T50	
1076	PHOSGENE	2.3	8			0	E0	P200			
1077	PROPYLENE	2.1				0	E0	P200		T50	
1078	REFRIGERANT GAS, N.O.S.	2.2			274	120 ml	E1	P200		T50	
1079	SULPHUR DIOXIDE	2.3	8			0	E0	P200		T50	TP19
1080	SULPHUR HEXAFLUORIDE	2.2				120 ml	E1	P200			
1081	TETRAFLUOROETHYLENE, STABILIZED	2.1			386	0	E0	P200			
1082	TRIFLUOROCHLOROETHYLENE, STABILIZED (REFRIGERANT GAS R 1113)	2.3	2.1		386	0	E0	P200		T50	
1083	TRIMETHYLAMINE, ANHYDROUS	2.1				0	E0	P200		T50	
1085	VINYL BROMIDE, STABILIZED	2.1			386	0	E0	P200		T50	
1086	VINYL CHLORIDE, STABILIZED	2.1			386	0	E0	P200		T50	
1087	VINYL METHYL ETHER, STABILIZED	2.1			386	0	E0	P200		T50	
1088	ACETAL	3		II		1 L	E2	P001 IBC02		T4	TP1
1089	ACETALDEHYDE	3		I		0	E0	P001		T11	TP2 TP7
1090	ACETONE	3		II		1 L	E2	P001 IBC02		T4	TP1
1091	ACETONE OILS	3		II		1 L	E2	P001 IBC02		T4	TP1 TP8
1092	ACROLEIN, STABILIZED	6.1	3	I	354 386	0	E0	P601		T22	TP2 TP7 TP13 TP35
1093	ACRYLONITRILE, STABILIZED	3	6.1	I	386	0	E0	P001		T14	TP2 TP13
1098	ALLYL ALCOHOL	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP35
1099	ALLYL BROMIDE	3	6.1	I		0	E0	P001		T14	TP2 TP13
1100	ALLYL CHLORIDE	3	6.1	I		0	E0	P001		T14	TP2 TP13



UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1104	AMYL ACETATES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1105	PENTANOLS	3		II		1 L	E2	P001 IBC02		T4	TP1 TP29
1105	PENTANOLS	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1106	AMYLAMINE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
1106	AMYLAMINE	3	8	III	223	5 L	E1	P001 IBC03		T4	TP1
1107	AMYL CHLORIDE	3		II		1 L	E2	P001 IBC02		T4	TP1
1108	I-PENTENE (n-AMYLENE)	3		I		0	E3	P001		T11	TP2
1109	AMYL FORMATES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1110	n-AMYL METHYL KETONE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1111	AMYL MERCAPTAN	3		II		1 L	E2	P001 IBC02		T4	TP1
1112	AMYL NITRATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1113	AMYL NITRITE	3		II		1 L	E2	P001 IBC02		T4	TP1
1114	BENZENE	3		II		1 L	E2	P001 IBC02		T4	TP1
1120	BUTANOLS	3		II		1 L	E2	P001 IBC02		T4	TP1 TP29
1120	BUTANOLS	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1123	BUTYL ACETATES	3		II		1 L	E2	P001 IBC02		T4	TP1
1123	BUTYL ACETATES	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1125	n-BUTYLAMINE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
1126	I-BROMOBUTANE	3		II		1 L	E2	P001 IBC02		T4	TP1
1127	CHLOROBUTANES	3		II		1 L	E2	P001 IBC02		T4	TP1
1128	n-BUTYL FORMATE	3		II		1 L	E2	P001 IBC02		T4	TP1
1129	BUTYRALDEHYDE	3		II		1 L	E2	P001 IBC02		T4	TP1
1130	CAMPHOR OIL	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1131	CARBON DISULPHIDE	3	6.1	I		0	E0	P001	PP31	T14	TP2 TP7 TP13
1133	ADHESIVES containing flammable liquid	3		I		500 ml	E3	P001		T11	TP1 TP8 TP27
1133	ADHESIVES containing flammable liquid	3		II		5 L	E2	P001 IBC02	PP1	T4	TP1 TP8
1133	ADHESIVES containing flammable liquid	3		III	223	5 L	E1	P001 IBC03 LP01	PP1	T2	TP1
1134	CHLOROBENZENE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1135	ETHYLENE CHLOROHYDRIN	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
1136	COAL TAR DISTILLATES, FLAMMABLE	3		II		1 L	E2	P001 IBC02		T4	TP1
1136	COAL TAR DISTILLATES, FLAMMABLE	3		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1 TP29
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3		I		500 ml	E3	P001		T11	TP1 TP8 TP27
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3		II		5 L	E2	P001 IBC02		T4	TP1 TP8
1139	COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1143	CROTONALDEHYDE or CROTONALDEHYDE, STABILIZED	6.1	3	I	324 354 386	0	E0	P602		T20	TP2 TP13 TP35
1144	CROTONYLENE	3		I		0	E3	P001		T11	TP2
1145	CYCLOHEXANE	3		II		1 L	E2	P001 IBC02		T4	TP1
1146	CYCLOPENTANE	3		II		1 L	E2	P001 IBC02		T7	TP1
1147	DECAHYDRONAPHTHALENE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1148	DIACETONE ALCOHOL	3		II		1 L	E2	P001 IBC02		T4	TP1
1148	DIACETONE ALCOHOL	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1149	DIBUTYL ETHERS	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1150	1,2-DICHLOROETHYLENE	3		II		1 L	E2	P001 IBC02		T7	TP2
1152	DICHLOROPENTANES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1153	ETHYLENE GLYCOL DIETHYL ETHER	3		II		1 L	E2	P001 IBC02		T4	TP1
1153	ETHYLENE GLYCOL DIETHYL ETHER	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1154	DIETHYLAMINE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
1155	DIETHYL ETHER (ETHYL ETHER)	3		I		0	E3	P001		T11	TP2
1156	DIETHYL KETONE	3		II		1 L	E2	P001 IBC02		T4	TP1
1157	DIISOBUTYL KETONE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1158	DIISOPROPYLAMINE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
1159	DIISOPROPYL ETHER	3		II		1 L	E2	P001 IBC02		T4	TP1

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1160	DIMETHYLAMINE AQUEOUS SOLUTION	3	8	II		1 L	E2	P001 IBC02		T7	TP1
1161	DIMETHYL CARBONATE	3		II		1 L	E2	P001 IBC02		T4	TP1
1162	DIMETHYLDICHLOROSILANE	3	8	II		0	E0	P010		T10	TP2 TP7 TP13
1163	DIMETHYLHYDRAZINE, UNSYMMETRICAL	6.1	3 8	I	354	0	E0	P602		T20	TP2 TP13 TP35
1164	DIMETHYL SULPHIDE	3		II		1 L	E2	P001 IBC02	B8	T7	TP2
1165	DIOXANE	3		II		1 L	E2	P001 IBC02		T4	TP1
1166	DIOXOLANE	3		II		1 L	E2	P001 IBC02		T4	TP1
1167	DIVINYL ETHER, STABILIZED	3		I	386	0	E3	P001		T11	TP2
1169	EXTRACTS, AROMATIC, LIQUID	3		II		5 L	E2	P001 IBC02		T4	TP1 TP8
1169	EXTRACTS, AROMATIC, LIQUID	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3		II	144	1 L	E2	P001 IBC02		T4	TP1
1170	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3		III	144 223	5 L	E1	P001 IBC03 LP01		T2	TP1
1171	ETHYLENE GLYCOL MONOETHYL ETHER	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1172	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1173	ETHYL ACETATE	3		II		1 L	E2	P001 IBC02		T4	TP1
1175	ETHYLBENZENE	3		II		1 L	E2	P001 IBC02		T4	TP1
1176	ETHYL BORATE	3		II		1 L	E2	P001 IBC02		T4	TP1
1177	2-ETHYLBUTYL ACETATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1178	2-ETHYLBUTYRALDEHYDE	3		II		1 L	E2	P001 IBC02		T4	TP1
1179	ETHYL BUTYL ETHER	3		II		1 L	E2	P001 IBC02		T4	TP1
1180	ETHYL BUTYRATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1181	ETHYL CHLOROACETATE	6.1	3	II		100 ml	E4	P001 IBC02		T7	TP2
1182	ETHYL CHLOROFORMATE	6.1	3 8	I	354	0	E0	P602		T20	TP2 TP13 TP37
1183	ETHYLDICHLOROSILANE	4.3	3 8	I		0	E0	P401		T14	TP2 TP7 TP13
1184	ETHYLENE DICHLORIDE	3	6.1	II		1 L	E2	P001 IBC02		T7	TP1
1185	ETHYLENEIMINE, STABILIZED	6.1	3	I	354 386	0	E0	P601		T22	TP2 TP13
1188	ETHYLENE GLYCOL MONOMETHYL ETHER	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1189	ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1190	ETHYL FORMATE	3		II		1 L	E2	P001 IBC02		T4	TP1
1191	OCTYL ALDEHYDES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1192	ETHYL LACTATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1193	ETHYL METHYL KETONE (METHYL ETHYL KETONE)	3		II		1 L	E2	P001 IBC02		T4	TP1
1194	ETHYL NITRITE SOLUTION	3	6.1	I		0	E0	P001			
1195	ETHYL PROPIONATE	3		II		1 L	E2	P001 IBC02		T4	TP1
1196	ETHYLTRICHLOROSILANE	3	8	II		0	E0	P010		T10	TP2 TP7 TP13
1197	EXTRACTS, FLAVOURING, LIQUID	3		II		5 L	E2	P001 IBC02		T4	TP1 TP8
1197	EXTRACTS, FLAVOURING, LIQUID	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1198	FORMALDEHYDE SOLUTION, FLAMMABLE	3	8	III		5 L	E1	P001 IBC03		T4	TP1
1199	FURALDEHYDES	6.1	3	II		100 ml	E4	P001 IBC02		T7	TP2
1201	FUSEL OIL	3		II		1 L	E2	P001 IBC02		T4	TP1
1201	FUSEL OIL	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1202	GAS OIL or DIESEL FUEL or HEATING OIL, LIGHT	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1203	MOTOR SPIRIT or GASOLINE or PETROL	3		II	243	1 L	E2	P001 IBC02		T4	TP1
1204	NITROGLYCERIN SOLUTION IN ALCOHOL with not more than 1% nitroglycerin	3		II		1 L	E0	P001 IBC02	PP5		
1206	HEPTANES	3		II		1 L	E2	P001 IBC02		T4	TP1
1207	HEXALDEHYDE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1208	HEXANES	3		II		1 L	E2	P001 IBC02		T4	TP1
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	3		I	163 367	500 ml	E3	P001		T11	TP1 TP8
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	3		II	163 367	5 L	E2	P001 IBC02	PP1	T4	TP1TP8
1210	PRINTING INK, flammable or PRINTING INK RELATED MATERIAL (including printing ink thinning or reducing compound), flammable	3		III	163 223 367	5 L	E1	P001 IBC03 LP01	PP1	T2	TP1
1212	ISOBUTANOL (ISOBUTYL ALCOHOL)	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1

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						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1213	ISOBUTYL ACETATE	3		II		1 L	E2	P001 IBC02		T4	TP1
1214	ISOBUTYLAMINE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
1216	ISOOCTENES	3		II		1 L	E2	P001 IBC02		T4	TP1
1218	ISOPRENE, STABILIZED	3		I	386	0	E3	P001		T11	TP2
1219	ISOPROPANOL (ISOPROPYL ALCOHOL)	3		II		1 L	E2	P001 IBC02		T4	TP1
1220	ISOPROPYL ACETATE	3		II		1 L	E2	P001 IBC02		T4	TP1
1221	ISOPROPYLAMINE	3	8	I		0	E0	P001		T11	TP2
1222	ISOPROPYL NITRATE	3		II	26	1 L	E2	P001 IBC02	B7		
1223	KEROSENE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP2
1224	KETONES, LIQUID, N.O.S.	3		II	274	1 L	E2	P001 IBC02		T7	TP1 TP8 TP28
1224	KETONES, LIQUID, N.O.S.	3		III	223 274	5 L	E1	P001 IBC03 LP01		T4	TP1 TP29
1228	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	274	1 L	E0	P001 IBC02		T11	TP2 TP27
1228	MERCAPTANS, LIQUID, FLAMMABLE, TOXIC, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	6.1	III	223 274	5 L	E1	P001 IBC03		T7	TP1 TP28
1229	MESITYL OXIDE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1230	METHANOL	3	6.1	II	279	1 L	E2	P001 IBC02		T7	TP2
1231	METHYL ACETATE	3		II		1 L	E2	P001 IBC02		T4	TP1
1233	METHYLAMYL ACETATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1234	METHYLAL	3		II		1 L	E2	P001 IBC02	B8	T7	TP2
1235	METHYLAMINE, AQUEOUS SOLUTION	3	8	II		1 L	E2	P001 IBC02		T7	TP1
1237	METHYL BUTYRATE	3		II		1 L	E2	P001 IBC02		T4	TP1
1238	METHYL CHLOROFORMATE	6.1	3 8	I	354	0	E0	P602		T22	TP2 TP13 TP35
1239	METHYL CHLOROMETHYL ETHER	6.1	3	I	354	0	E0	P602		T22	TP2 TP13 TP35
1242	METHYLDICHLOROSILANE	4.3	3 8	I		0	E0	P401		T14	TP2 TP7 TP13
1243	METHYL FORMATE	3		I		0	E3	P001		T11	TP2
1244	METHYLHYDRAZINE	6.1	3 8	I	354	0	E0	P602		T22	TP2 TP13 TP35
1245	METHYL ISOBUTYL KETONE	3		II		1 L	E2	P001 IBC02		T4	TP1
1246	METHYL ISOPROPENYL KETONE, STABILIZED	3		II	386	1 L	E2	P001 IBC02		T4	TP1

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1247	METHYL METHACRYLATE MONOMER, STABILIZED	3		II	386	1 L	E2	P001 IBC02		T4	TP1
1248	METHYL PROPIONATE	3		II		1 L	E2	P001 IBC02		T4	TP1
1249	METHYL PROPYL KETONE	3		II		1 L	E2	P001 IBC02		T4	TP1
1250	METHYLTRICHLOROSILANE	3	8	II		0	E0	P010		T10	TP2 TP7 TP13
1251	METHYL VINYL KETONE, STABILIZED	6.1	3 8	I	354 386	0	E0	P601		T22	TP2 TP13 TP37
1259	NICKEL CARBONYL	6.1	3	I		0	E0	P601			
1261	NITROMETHANE	3		II	26	1 L	E0	P001			
1262	OCTANES	3		II		1 L	E2	P001 IBC02		T4	TP1
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3		I	163 367	500 ml	E3	P001		T11	TP1 TP8 TP27
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3		II	163 367	5 L	E2	P001 IBC02	PP1	T4	TP1 TP8 TP28
1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	3		III	163 223 367	5 L	E1	P001 IBC03 LP01	PP1	T2	TP1 TP29
1264	PARALDEHYDE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1265	PENTANES, liquid	3		I		0	E3	P001		T11	TP2
1265	PENTANES, liquid	3		II		1 L	E2	P001 IBC02	B8	T4	TP1
1266	PERFUMERY PRODUCTS with flammable solvents	3		II	163	5 L	E2	P001 IBC02		T4	TP1 TP8
1266	PERFUMERY PRODUCTS with flammable solvents	3		III	163 223	5 L	E1	P001 IBC03 LP01		T2	TP1
1267	PETROLEUM CRUDE OIL	3		I	357	500 ml	E3	P001		T11	TP1 TP8
1267	PETROLEUM CRUDE OIL	3		II	357	1 L	E2	P001 IBC02		T4	TP1 TP8
1267	PETROLEUM CRUDE OIL	3		III	223 357	5 L	E1	P001 IBC03 LP01		T2	TP1
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3		I		500 ml	E3	P001		T11	TP1 TP8
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3		II		1 L	E2	P001 IBC02		T7	TP1 TP8 TP28
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1 TP29
1272	PINE OIL	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1274	n-PROPANOL (PROPYL ALCOHOL, NORMAL)	3		II		1 L	E2	P001 IBC02		T4	TP1
1274	n-PROPANOL (PROPYL ALCOHOL, NORMAL)	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1275	PROPIONALDEHYDE	3		II		1 L	E2	P001 IBC02		T7	TP1
1276	n-PROPYL ACETATE	3		II		1 L	E2	P001 IBC02		T4	TP1
1277	PROPYLAMINE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
1278	1-CHLOROPROPANE	3		II		1 L	E0	P001 IBC02	B8	T7	TP2
1279	1,2-DICHLOROPROPANE	3		II		1 L	E2	P001 IBC02		T4	TP1
1280	PROPYLENE OXIDE	3		I		0	E3	P001		T11	TP2 TP7
1281	PROPYL FORMATES	3		II		1 L	E2	P001 IBC02		T4	TP1
1282	PYRIDINE	3		II		1 L	E2	P001 IBC02		T4	TP2
1286	ROSIN OIL	3		II		5 L	E2	P001 IBC02		T4	TP1
1286	ROSIN OIL	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1287	RUBBER SOLUTION	3		II		5 L	E2	P001 IBC02		T4	TP1 TP8
1287	RUBBER SOLUTION	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1288	SHALE OIL	3		II		1 L	E2	P001 IBC02		T4	TP1 TP8
1288	SHALE OIL	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1289	SODIUM METHYLATE SOLUTION in alcohol	3	8	II		1 L	E2	P001 IBC02		T7	TP1 TP8
1289	SODIUM METHYLATE SOLUTION in alcohol	3	8	III	223	5 L	E1	P001 IBC03		T4	TP1
1292	TETRAETHYL SILICATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1293	TINCTURES, MEDICINAL	3		II		1 L	E2	P001 IBC02		T4	TP1 TP8
1293	TINCTURES, MEDICINAL	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1294	TOLUENE	3		II		1 L	E2	P001 IBC02		T4	TP1
1295	TRICHLOROSILANE	4.3	3 8	I		0	E0	P401		T14	TP2 TP7 TP13
1296	TRIETHYLAMINE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	8	I		0	E0	P001		T11	TP1
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	8	II		1 L	E2	P001 IBC02		T7	TP1
1297	TRIMETHYLAMINE, AQUEOUS SOLUTION, not more than 50% trimethylamine, by mass	3	8	III	223	5 L	E1	P001 IBC03		T7	TP1
1298	TRIMETHYLCHLOROSILANE	3	8	II		0	E0	P010		T10	TP2 TP7 TP13

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1299	TURPENTINE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1300	TURPENTINE SUBSTITUTE	3		II		1 L	E2	P001 IBC02		T4	TP1
1300	TURPENTINE SUBSTITUTE	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1301	VINYL ACETATE, STABILIZED	3		II	386	1 L	E2	P001 IBC02		T4	TP1
1302	VINYL ETHYL ETHER, STABILIZED	3		I	386	0	E3	P001		T11	TP2
1303	VINYLDIENE CHLORIDE, STABILIZED	3		I	386	0	E3	P001		T12	TP2 TP7
1304	VINYL ISOBUTYL ETHER, STABILIZED	3		II	386	1 L	E2	P001 IBC02		T4	TP1
1305	VINYLTRICHLOROSILANE	3	8	II		0	E0	P010		T10	TP2 TP7 TP13
1306	WOOD PRESERVATIVES, LIQUID	3		II		5 L	E2	P001 IBC02		T4	TP1 TP8
1306	WOOD PRESERVATIVES, LIQUID	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1307	XYLENES	3		II		1 L	E2	P001 IBC02		T4	TP1
1307	XYLENES	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID	3		I		0	E0	P001	PP33		
1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID	3		II		1 L	E2	P001	PP33		
1308	ZIRCONIUM SUSPENDED IN A FLAMMABLE LIQUID	3		III	223	5 L	E1	P001			
1309	ALUMINIUM POWDER, COATED	4.1		II		1 kg	E2	P002 IBC08	PP38 B2, B4	T3	TP33
1309	ALUMINIUM POWDER, COATED	4.1		III	223	5 kg	E1	P002 IBC08 LP02	PP11 B3	T1	TP33
1310	AMMONIUM PICRATE, WETTED with not less than 10% water, by mass	4.1		I	28	0	E0	P406	PP26		
1312	BORNEOL	4.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1313	CALCIUM RESINATE	4.1		III		5 kg	E1	P002 IBC06		T1	TP33
1314	CALCIUM RESINATE, FUSED	4.1		III		5 kg	E1	P002 IBC04		T1	TP33
1318	COBALT RESINATE, PRECIPITATED	4.1		III		5 kg	E1	P002 IBC06		T1	TP33
1320	DINITROPHENOL, WETTED with not less than 15% water, by mass	4.1	6.1	I	28	0	E0	P406	PP26		
1321	DINITROPHENOLATES, WETTED with not less than 15% water, by mass	4.1	6.1	I	28	0	E0	P406	PP26		
1322	DINITRORESORCINOL, WETTED with not less than 15% water, by mass	4.1		I	28	0	E0	P406	PP26		
1323	FERROCERIUM	4.1		II	249	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1324	FILMS, NITROCELLULOSE BASE, gelatin coated, except scrap	4.1		III		5 kg	E1	P002	PP15		



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						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1325	FLAMMABLE SOLID, ORGANIC, N.O.S.	4.1		II	274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1325	FLAMMABLE SOLID, ORGANIC, N.O.S.	4.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1326	HAFNIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced, particle size less than 840 microns	4.1		II		1 kg	E2	P410 IBC06	PP40 B2	T3	TP33
1327	HAY, STRAW or BHUSA	4.1			281	3 kg	E0	P003 IBC08	PP19 B6		
1328	HEXAMETHYLENE-TETRAMINE	4.1		III		5 kg	E1	P002 IBC08	B3	T1	TP33
1330	MANGANESE RESINATE	4.1		III		5 kg	E1	P002 IBC06		T1	TP33
1331	MATCHES, 'STRIKE ANYWHERE'	4.1		III	293	5 kg	E0	P407	PP27		
1332	METALDEHYDE	4.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1333	CERIUM, slabs, ingots or rods	4.1		II		1 kg	E2	P002 IBC08	B2, B4		
1334	NAPHTHALENE, CRUDE or NAPHTHALENE, REFINED	4.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1 BK1 BK2 BK3	TP33
1336	NITROGUANIDINE (PICRITE), WETTED with not less than 20% water, by mass	4.1		I	28	0	E0	P406			
1337	NITROSTARCH, WETTED with not less than 20% water, by mass	4.1		I	28	0	E0	P406			
1338	PHOSPHORUS, AMORPHOUS	4.1		III		5 kg	E1	P410 IBC08	B3	T1	TP33
1339	PHOSPHORUS HEPTASULPHIDE, free from yellow and white phosphorus	4.1		II		1 kg	E2	P410 IBC04		T3	TP33
1340	PHOSPHORUS PENTASULPHIDE, free from yellow and white phosphorus	4.3	4.1	II		500 g	E2	P410 IBC04		T3	TP33
1341	PHOSPHORUS SESQUISULPHIDE, free from yellow and white phosphorus	4.1		II		1 kg	E2	P410 IBC04		T3	TP33
1343	PHOSPHORUS TRISULPHIDE, free from yellow and white phosphorus	4.1		II		1 kg	E2	P410 IBC04		T3	TP33
1344	TRINITROPHENOL (PICRIC ACID), WETTED with not less than 30% water, by mass	4.1		I	28	0	E0	P406	PP26		
1345	RUBBER SCRAP or RUBBER SHODDY, powdered or granulated, not exceeding 840 microns and rubber content exceeding 45%	4.1		II	223	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1346	SILICON POWDER, AMORPHOUS	4.1		III	32	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1347	SILVER PICRATE, WETTED with not less than 30% water, by mass	4.1		I	28	0	E0	P406	PP25 PP26		
1348	SODIUM DINITRO-o-CRESOLATE, WETTED with not less than 15% water, by mass	4.1	6.1	I	28	0	E0	P406	PP26		

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1349	SODIUM PICRAMATE, WETTED with not less than 20% water, by mass	4.1		I	28	0	E0	P406	PP26		
1350	SULPHUR	4.1		III	242	5 kg	E1	P002 IBC08 LP02	B3	T1 BK1 BK2 BK3	TP33
1352	TITANIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced particle size less than 840 microns	4.1		II		1 kg	E2	P410 IBC06	PP40 B2	T3	TP33
1353	FIBRES or FABRICS IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.	4.1		III		5 kg	E1	P410 IBC08	B3		
1354	TRINITROBENZENE, WETTED with not less than 30% water, by mass	4.1		I	28	0	E0	P406			
1355	TRINITROBENZOIC ACID, WETTED with not less than 30% water, by mass	4.1		I	28	0	E0	P406			
1356	TRINITROTOLUENE (TNT), WETTED with not less than 30% water, by mass	4.1		I	28	0	E0	P406			
1357	UREA NITRATE, WETTED with not less than 20% water, by mass	4.1		I	28 227	0	E0	P406			
1358	ZIRCONIUM POWDER, WETTED with not less than 25% water (a visible excess of water must be present) (a) mechanically produced, particle size less than 53 microns; (b) chemically produced particle size less than 840 microns	4.1		II		1 kg	E2	P410 IBC06	PP40 B2	T3	TP33
1360	CALCIUM PHOSPHIDE	4.3	6.1	I		0	E0	P403			
1361	CARBON, animal or vegetable origin	4.2		II		0	E0	P002 IBC06	PP12	T3	TP33
1361	CARBON, animal or vegetable origin	4.2		III	223	0	E0	P002 IBC08 LP02	PP12 B3	T1	TP33
1362	CARBON, ACTIVATED	4.2		III	223	0	E1	P002 IBC08 LP02	PP11 B3	T1	TP33
1363	COPRA	4.2		III	29	0	E0	P003 IBC08 LP02	PP20 B3, B6	-BK2	
1364	COTTON WASTE, OILY	4.2		III		0	E0	P003 IBC08 LP02	PP19 B3, B6		
1365	COTTON, WET	4.2		III	29	0	E0	P003 IBC08 LP02	PP19 B3, B6		
1369	p-NITROSODIMETHYLANILINE	4.2		II		0	E2	P410 IBC06	B2	T3	TP33
1372	FIBRES, ANIMAL or FIBRES, VEGETABLE burnt, wet or damp	4.2		III	117	0	E1	P410			
1373	FIBRES or FABRICS, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S. with oil	4.2		III		0	E0	P410 IBC08	B3	T1	TP33
1374	FISH MEAL (FISH SCRAP), UNSTABILIZED	4.2		II	300	0	E2	P410 IBC08	B2, B4	T3	TP33

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						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1376	IRON OXIDE, SPENT or IRON SPONGE, SPENT obtained from coal gas purification	4.2		III	223	0	E0	P002 IBC08 LP02	B3	T1 BK2	TP33
1378	METAL CATALYST, WETTED with a visible excess of liquid	4.2		II	274	0	E0	P410 IBC01	PP39	T3	TP33
1379	PAPER, UNSATURATED OIL TREATED, incompletely dried (including carbon paper)	4.2		III		0	E0	P410 IBC08	B3		
1380	PENTABORANE	4.2	6.1	I		0	E0	P601			
1381	PHOSPHORUS, WHITE or YELLOW, DRY or UNDER WATER or IN SOLUTION	4.2	6.1	I		0	E0	P405		T9	TP3 TP31
1382	POTASSIUM SULPHIDE, ANHYDROUS or POTASSIUM SULPHIDE with less than 30% water of crystallization	4.2		II		0	E2	P410 IBC06	B2	T3	TP33
1383	PYROPHORIC METAL, N.O.S. or PYROPHORIC ALLOY, N.O.S.	4.2		I	274	0	E0	P404		T21	TP7 TP33
1384	SODIUM DITHIONITE (SODIUM HYDROSULPHITE)	4.2		II		0	E2	P410 IBC06	B2	T3	TP33
1385	SODIUM SULPHIDE, ANHYDROUS or SODIUM SULPHIDE with less than 30% water of crystallization	4.2		II		0	E2	P410 IBC06	B2	T3	TP33
1386	SEED CAKE with more than 1.5% oil and not more than 11% moisture	4.2		III	29	0	E0	P003 IBC08 LP02	PP20 B3, B6	<del>BK2</del>	
1387	WOOL WASTE, WET	4.2		III	117	0	E1	P410			
1389	ALKALI METAL AMALGAM, LIQUID	4.3		I	182	0	E0	P402			
1390	ALKALI METAL AMIDES	4.3		II	182	500 g	E2	P410 IBC07	B2	T3	TP33
1391	ALKALI METAL DISPERSION or ALKALINE EARTH METAL DISPERSION	4.3		I	182 183	0	E0	P402			
1392	ALKALINE EARTH METAL AMALGAM, LIQUID	4.3		I	183	0	E0	P402			
1393	ALKALINE EARTH METAL ALLOY, N.O.S.	4.3		II		500 g	E2	P410 IBC07	B2	T3	TP33
1394	ALUMINIUM CARBIDE	4.3		II		500 g	E2	P410 IBC07	B2	T3	TP33
1395	ALUMINIUM FERROSILICON POWDER	4.3	6.1	II		500 g	E2	P410 IBC05	B2	T3	TP33
1396	ALUMINIUM POWDER, UNCOATED	4.3		II		500 g	E2	P410 IBC07	B2	T3	TP33
1396	ALUMINIUM POWDER, UNCOATED	4.3		III	223	1 kg	E1	P410 IBC08	B4	T1	TP33
1397	ALUMINIUM PHOSPHIDE	4.3	6.1	I		0	E0	P403			
1398	ALUMINIUM SILICON POWDER, UNCOATED	4.3		III	37 223	1 kg	E1	P410 IBC08	B4	T1 <del>BK2</del>	TP33
1400	BARIUM	4.3		II		500 g	E2	P410 IBC07	B2	T3	TP33
1401	CALCIUM	4.3		II		500 g	E2	P410 IBC07	B2	T3	TP33
1402	CALCIUM CARBIDE	4.3		I		0	E0	P403 IBC04	B1	T9	TP7 TP33
1402	CALCIUM CARBIDE	4.3		II		500 g	E2	P410 IBC07	B2	T3	TP33
1403	CALCIUM CYANAMIDE with more than 0.1% calcium carbide	4.3		III	38	1 kg	E1	P410 IBC08	B4	T1	TP33
1404	CALCIUM HYDRIDE	4.3		I		0	E0	P403			

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						(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1405	CALCIUM SILICIDE	4.3		II		500 g	E2	P410 IBC07	B2	T3	TP33
1405	CALCIUM SILICIDE	4.3		III	223	1 kg	E1	P410 IBC08	B4	T1	TP33
1407	CAESIUM	4.3		I		0	E0	P403 IBC04	B1		
1408	FERROSILICON with 30% or more but less than 90% silicon	4.3	6.1	III	39 223	1 kg	E1	P003 IBC08	PP20 B4, B6	T1 BK2	TP33
1409	METAL HYDRIDES, WATER-REACTIVE, N.O.S.	4.3		I	274	0	E0	P403			
1409	METAL HYDRIDES, WATER-REACTIVE, N.O.S.	4.3		II	274	500 g	E2	P410 IBC04		T3	TP33
1410	LITHIUM ALUMINIUM HYDRIDE	4.3		I		0	E0	P403			
1411	LITHIUM ALUMINIUM HYDRIDE, ETHEREAL	4.3	3	I		0	E0	P402			
1413	LITHIUM BOROHYDRIDE	4.3		I		0	E0	P403			
1414	LITHIUM HYDRIDE	4.3		I		0	E0	P403			
1415	LITHIUM	4.3		I		0	E0	P403 IBC04	B1	T9	TP7 TP33
1417	LITHIUM SILICON	4.3		II		500 g	E2	P410 IBC07	B2	T3	TP33
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	4.2	I		0	E0	P403			
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	4.2	II		0	E2	P410 IBC05	B2	T3	TP33
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	4.2	III	223	0	E1	P410 IBC08	B4	T1	TP33
1419	MAGNESIUM ALUMINIUM PHOSPHIDE	4.3	6.1	I		0	E0	P403			
1420	POTASSIUM METAL ALLOYS, LIQUID	4.3		I		0	E0	P402			
1421	ALKALI METAL ALLOY, LIQUID, N.O.S.	4.3		I	182	0	E0	P402			
1422	POTASSIUM SODIUM ALLOYS, LIQUID	4.3		I		0	E0	P402		T9	TP3 TP7 TP31
1423	RUBIDIUM	4.3		I		0	E0	P403 IBC04	B1		
1426	SODIUM BOROHYDRIDE	4.3		I		0	E0	P403			
1427	SODIUM HYDRIDE	4.3		I		0	E0	P403			
1428	SODIUM	4.3		I		0	E0	P403 IBC04	B1	T9	TP7 TP33
1431	SODIUM METHYLATE	4.2	8	II		0	E2	P410 IBC05	B2	T3	TP33
1432	SODIUM PHOSPHIDE	4.3	6.1	I		0	E0	P403			
1433	STANNIC PHOSPHIDES	4.3	6.1	I		0	E0	P403			
1435	ZINC ASHES	4.3		III	223	1 kg	E1	P002 IBC08	B4	T1 BK2	TP33
1436	ZINC POWDER or ZINC DUST	4.3	4.2	I		0	E0	P403			
1436	ZINC POWDER or ZINC DUST	4.3	4.2	II		0	E2	P410 IBC07	B2	T3	TP33
1436	ZINC POWDER or ZINC DUST	4.3	4.2	III	223	0	E1	P410 IBC08	B4	T1	TP33
1437	ZIRCONIUM HYDRIDE	4.1		II		1 kg	E2	P410 IBC04	PP40	T3	TP33
1438	ALUMINIUM NITRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1 BK1 BK2	TP33
1439	AMMONIUM DICHROMATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33

UN No.	Name and description	Class or division	Subsidiary hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1442	AMMONIUM PERCHLORATE	5.1		II	152	1 kg	E2	P002 IBC06	B2	T3	TP33
1444	AMMONIUM PERSULPHATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1445	BARIUM CHLORATE, SOLID	5.1	6.1	II		1 kg	E2	P002 IBC06	B2	T3	TP33
1446	BARIUM NITRATE	5.1	6.1	II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1447	BARIUM PERCHLORATE, SOLID	5.1	6.1	II		1 kg	E2	P002 IBC06	B2	T3	TP33
1448	BARIUM PERMANGANATE	5.1	6.1	II		1 kg	E2	P002 IBC06	B2	T3	TP33
1449	BARIUM PEROXIDE	5.1	6.1	II		1 kg	E2	P002 IBC06	B2	T3	TP33
1450	BROMATES, INORGANIC, N.O.S.	5.1		II	274 350	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1451	CAESIUM NITRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1452	CALCIUM CHLORATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1453	CALCIUM CHLORITE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1454	CALCIUM NITRATE	5.1		III	208	5 kg	E1	P002 IBC08 LP02	B3	T1 BK1 BK2 BK3	TP33
1455	CALCIUM PERCHLORATE	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1456	CALCIUM PERMANGANATE	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1457	CALCIUM PEROXIDE	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1458	CHLORATE AND BORATE MIXTURE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1458	CHLORATE AND BORATE MIXTURE	5.1		III	223	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	5.1		III	223	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1461	CHLORATES, INORGANIC, N.O.S.	5.1		II	274 351	1 kg	E2	P002 IBC06	B2	T3	TP33
1462	CHLORITES, INORGANIC, N.O.S.	5.1		II	274 352	1 kg	E2	P002 IBC06	B2	T3	TP33
1463	CHROMIUM TRIOXIDE, ANHYDROUS	5.1	6.1 8	II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1465	DIDYMIUM NITRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1466	FERRIC NITRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1467	GUANIDINE NITRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1469	LEAD NITRATE	5.1	6.1	II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1470	LEAD PERCHLORATE, SOLID	5.1	6.1	II		1 kg	E2	P002 IBC06	B2	T3	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1471	LITHIUM HYPOCHLORITE, DRY or LITHIUM HYPOCHLORITE MIXTURE	5.1		II		1 kg	E2	P002 IBC08	B2, B4		
1471	LITHIUM HYPOCHLORITE, DRY or LITHIUM HYPOCHLORITE MIXTURE	5.1		III	223	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1472	LITHIUM PEROXIDE	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1473	MAGNESIUM BROMATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1474	MAGNESIUM NITRATE	5.1		III	332	5 kg	E1	P002 IBC08 LP02	B3	T1 BK1 BK2 BK3	TP33
1475	MAGNESIUM PERCHLORATE	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1476	MAGNESIUM PEROXIDE	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1477	NITRATES, INORGANIC, N.O.S.	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1477	NITRATES, INORGANIC, N.O.S.	5.1		III	223	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1479	OXIDIZING SOLID, N.O.S.	5.1		I	274	0	E0	P503 IBC05	B1		
1479	OXIDIZING SOLID, N.O.S.	5.1		II	274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1479	OXIDIZING SOLID, N.O.S.	5.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1481	PERCHLORATES, INORGANIC, N.O.S.	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1481	PERCHLORATES, INORGANIC, N.O.S.	5.1		III	223	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1482	PERMANGANATES, INORGANIC, N.O.S.	5.1		II	206 274 353	1 kg	E2	P002 IBC06	B2	T3	TP33
1482	PERMANGANATES, INORGANIC, N.O.S.	5.1		III	206 223 274 353	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1483	PEROXIDES, INORGANIC, N.O.S.	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1483	PEROXIDES, INORGANIC, N.O.S.	5.1		III	223	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1484	POTASSIUM BROMATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1485	POTASSIUM CHLORATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1486	POTASSIUM NITRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1 BK1 BK2 BK3	TP33
1487	POTASSIUM NITRATE AND SODIUM NITRITE MIXTURE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1488	POTASSIUM NITRITE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1489	POTASSIUM PERCHLORATE	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1490	POTASSIUM PERMANGANATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1491	POTASSIUM PEROXIDE	5.1		I		0	E0	P503 IBC06	B1		

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1492	POTASSIUM PERSULPHATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1493	SILVER NITRATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1494	SODIUM BROMATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1495	SODIUM CHLORATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3 BK1 BK2	TP33
1496	SODIUM CHLORITE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1498	SODIUM NITRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1 BK1 BK2 BK3	TP33
1499	SODIUM NITRATE AND POTASSIUM NITRATE MIXTURE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1 BK1 BK2 BK3	TP33
1500	SODIUM NITRITE	5.1	6.1	III		5 kg	E1	P002 IBC08	B3	T1	TP33
1502	SODIUM PERCHLORATE	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1503	SODIUM PERMANGANATE	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1504	SODIUM PEROXIDE	5.1		I		0	E0	P503 IBC05	B1		
1505	SODIUM PERSULPHATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1506	STRONTIUM CHLORATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1507	STRONTIUM NITRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1508	STRONTIUM PERCHLORATE	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1509	STRONTIUM PEROXIDE	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1510	TETRANITROMETHANE	6.1	5.1	I	354	0	E0	P602			
1511	UREA HYDROGEN PEROXIDE	5.1	8	III		5 kg	E1	P002 IBC08	B3	T1	TP33
1512	ZINC AMMONIUM NITRITE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1513	ZINC CHLORATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1514	ZINC NITRATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1515	ZINC PERMANGANATE	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1516	ZINC PEROXIDE	5.1		II		1 kg	E2	P002 IBC06	B2	T3	TP33
1517	ZIRCONIUM PICRAMATE, WETTED with not less than 20% water, by mass	4.1		I	28	0	E0	P406	PP26		
1541	ACETONE CYANOHYDRIN, STABILIZED	6.1		I	354	0	E0	P602		T20	TP2 TP13 TP37
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.	6.1		I	43 274	0	E5	P002 IBC07	B1	T6	TP33
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.	6.1		II	43 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1544	ALKALOIDS, SOLID, N.O.S. or ALKALOID SALTS, SOLID, N.O.S.	6.1		III	43 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1545	ALLYL ISOTHIOCYANATE, STABILIZED	6.1	3	II	386	100 ml	E0	P001 IBC02		T7	TP2
1546	AMMONIUM ARSENATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1547	ANILINE	6.1		II	279	100 ml	E4	P001 IBC02		T7	TP2
1548	ANILINE HYDROCHLORIDE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1549	ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.	6.1		III	45 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1550	ANTIMONY LACTATE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1551	ANTIMONY POTASSIUM TARTRATE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1553	ARSENIC ACID, LIQUID	6.1		I		0	E5	P001		T20	TP2 TP7 TP13
1554	ARSENIC ACID, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1555	ARSENIC BROMIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
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		I	43 274	0	E5	P001		T14	TP2 TP13 TP27
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		II	43 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
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		III	43 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
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		I	43 274	0	E5	P002 IBC07	B1	T6	TP33
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		II	43 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
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		III	43 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1558	ARSENIC	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1559	ARSENIC PENTOXIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1560	ARSENIC TRICHLORIDE	6.1		I		0	E0	P602		T14	TP2 TP13
1561	ARSENIC TRIOXIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1562	ARSENICAL DUST	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1564	BARIUM COMPOUND, N.O.S.	6.1		II	177 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1564	BARIUM COMPOUND, N.O.S.	6.1		III	177 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33



UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1565	BARIUM CYANIDE	6.1		I		0	E5	P002 IBC07	B1	T6	TP33
1566	BERYLLIUM COMPOUND, N.O.S.	6.1		II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1566	BERYLLIUM COMPOUND, N.O.S.	6.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1567	BERYLLIUM POWDER	6.1	4.1	II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1569	BROMOACETONE	6.1	3	II		0	E0	P602		T20	TP2 TP13
1570	BRUCINE	6.1		I	43	0	E5	P002 IBC07	B1	T6	TP33
1571	BARIUM AZIDE, WETTED with not less than 50% water, by mass	4.1	6.1	I	28	0	E0	P406			
1572	CACODYLIC ACID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1573	CALCIUM ARSENATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1574	CALCIUM ARSENATE AND CALCIUM ARSENITE MIXTURE, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1575	CALCIUM CYANIDE	6.1		I		0	E5	P002 IBC07	B1	T6	TP33
1577	CHLORODINITROBENZENES, LIQUID	6.1		II	279	100 ml	E4	P001 IBC02		T7	TP2
1578	CHLORONITROBENZENES, SOLID	6.1		II	279	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1579	4-CHLORO-o-TOLUIDINE HYDROCHLORIDE, SOLID	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1580	CHLOROPICRIN	6.1		I	354	0	E0	P601		T22	TP2 TP13 TP37
1581	CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more than 2% chloropicrin	2.3				0	E0	P200		T50	
1582	CHLOROPICRIN AND METHYL CHLORIDE MIXTURE	2.3				0	E0	P200		T50	
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1		I	274 315	0	E0	P602			
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1		II	274	100 ml	E0	P001 IBC02			
1583	CHLOROPICRIN MIXTURE, N.O.S.	6.1		III	223 274	5 L	E0	P001 IBC03 LP01			
1585	COPPER ACETOARSENITE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1586	COPPER ARSENITE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1587	COPPER CYANIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1588	CYANIDES, INORGANIC, SOLID, N.O.S.	6.1		I	47 274	0	E5	P002 IBC07	B1	T6	TP33
1588	CYANIDES, INORGANIC, SOLID, N.O.S.	6.1		II	47 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1588	CYANIDES, INORGANIC, SOLID, N.O.S.	6.1		III	47 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1589	CYANOGEN CHLORIDE, STABILIZED	2.3	8		386	0	E0	P200			
1590	DICHLOROANILINES, LIQUID	6.1		II	279	100 ml	E4	P001 IBC02		T7	TP2

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1591	o-DICHLOROBENZENE	6.1		III	279	5 L	E1	P001 IBC03 LP01		T4	TP1
1593	DICHLOROMETHANE	6.1		III		5 L	E1	P001 IBC03 LP01	B8	T7	TP2
1594	DIETHYL SULPHATE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
1595	DIMETHYL SULPHATE	6.1	8	I	354	0	E0	P602		T20	TP2 TP13 TP35
1596	DINITROANILINES	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1597	DINITROBENZENES, LIQUID	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
1597	DINITROBENZENES, LIQUID	6.1		III	223	5 L	E1	P001 IBC03 LP01		T7	TP2
1598	DINITRO-o-CRESOL	6.1		II	43	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1599	DINITROPHENOL SOLUTION	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
1599	DINITROPHENOL SOLUTION	6.1		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
1600	DINITROTOLUENES, MOLTEN	6.1		II		0	E0	NONE		T7	TP3
1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1		I	274	0	E5	P002 IBC07	B1	T6	TP33
1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1		II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1601	DISINFECTANT, SOLID, TOXIC, N.O.S.	6.1		III	274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	6.1		I	274	0	E5	P001			
1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	6.1		II	274	100 ml	E4	P001 IBC02			
1602	DYE, LIQUID, TOXIC, N.O.S. or DYE INTERMEDIATE, LIQUID, TOXIC, N.O.S.	6.1		III	223 274	5 L	E1	P001 IBC03 LP01			
1603	ETHYL BROMOACETATE	6.1	3	II		100 ml	E0	P001 IBC02		T7	TP2
1604	ETHYLENEDIAMINE	8	3	II		1 L	E2	P001 IBC02		T7	TP2
1605	ETHYLENE DIBROMIDE	6.1		I	354	0	E0	P602		T20	TP2 TP13 TP37
1606	FERRIC ARSENATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1607	FERRIC ARSENITE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1608	FERROUS ARSENATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1611	HEXAETHYL TETRAPHOSPHATE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
1612	HEXAETHYL TETRAPHOSPHATE AND COMPRESSED GAS MIXTURE	2.3				0	E0	P200			
1613	HYDROCYANIC ACID, AQUEOUS SOLUTION (HYDROGEN CYANIDE, AQUEOUS SOLUTION) with not more than 20% hydrogen cyanide	6.1		I	48	0	E0	P601		T14	TP2 TP13

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1614	HYDROGEN CYANIDE, STABILIZED, containing less than 3% water and absorbed in a porous inert material	6.1		I	386	0	E0	P099			
1616	LEAD ACETATE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1617	LEAD ARSENATES	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1618	LEAD ARSENITES	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1620	LEAD CYANIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1621	LONDON PURPLE	6.1		II	43	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1622	MAGNESIUM ARSENATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1623	MERCURIC ARSENATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1624	MERCURIC CHLORIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1625	MERCURIC NITRATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1626	MERCURIC POTASSIUM CYANIDE	6.1		I		0	E5	P002 IBC07	B1	T6	TP33
1627	MERCUROUS NITRATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1629	MERCURY ACETATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1630	MERCURY AMMONIUM CHLORIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1631	MERCURY BENZOATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1634	MERCURY BROMIDES	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1636	MERCURY CYANIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1637	MERCURY GLUCONATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1638	MERCURY IODIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1639	MERCURY NUCLEATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1640	MERCURY OLEATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1641	MERCURY OXIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1642	MERCURY OXYCYANIDE, DESENSITIZED	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1643	MERCURY POTASSIUM IODIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1644	MERCURY SALICYLATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1645	MERCURY SULPHATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1646	MERCURY THIOCYANATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1647	METHYL BROMIDE AND ETHYLENE DIBROMIDE MIXTURE, LIQUID	6.1		I	354	0	E0	P602		T20	TP2 TP13
1648	ACETONITRILE	3		II		1 L	E2	P001 IBC02		T7	TP2
1649	MOTOR FUEL ANTI-KNOCK MIXTURE	6.1		I		0	E0	P602		T14	TP2 TP13
1650	beta-NAPHTHYLAMINE, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1651	NAPHTHYLTHIOUREA	6.1		II	43	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1652	NAPHTHYLUREA	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1653	NICKEL CYANIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1654	NICOTINE	6.1		II		100 ml	E4	P001 IBC02			
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1		I	43 274	0	E5	P002 IBC07	B1	T6	TP33
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1		II	43 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1655	NICOTINE COMPOUND, SOLID, N.O.S. or NICOTINE PREPARATION, SOLID, N.O.S.	6.1		III	43 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1656	NICOTINE HYDROCHLORIDE, LIQUID or SOLUTION	6.1		II	43	100 ml	E4	P001 IBC02			
1656	NICOTINE HYDROCHLORIDE, LIQUID or SOLUTION	6.1		III	43 223	5 L	E1	P001 IBC03 LP01			
1657	NICOTINE SALICYLATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1658	NICOTINE SULPHATE SOLUTION	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
1658	NICOTINE SULPHATE SOLUTION	6.1		III	223	5 L	E1	P001 IBC03 LP01		T7	TP2
1659	NICOTINE TARTRATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1660	NITRIC OXIDE, COMPRESSED	2.3	5.1 8			0	E0	P200			
1661	NITROANILINES (o-, m-, p-)	6.1		II	279	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1662	NITROBENZENE	6.1		II	279	100 ml	E4	P001 IBC02		T7	TP2
1663	NITROPHENOLS (o-, m-, p-)	6.1		III	279	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1664	NITROTOLUENES, LIQUID	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
1665	NITROXYLENES, LIQUID	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
1669	PENTACHLOROETHANE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
1670	PERCHLOROMETHYL MERCAPTAN	6.1		I	354	0	E0	P602		T20	TP2 TP13 TP37
1671	PHENOL, SOLID	6.1		II	279	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1672	PHENYL CARBYLAMINE CHLORIDE	6.1		I		0	E0	P602		T14	TP2 TP13
1673	PHENYLENEDIAMINES (o-, m-, p-)	6.1		III	279	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1674	PHENYLMERCURIC ACETATE	6.1		II	43	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1677	POTASSIUM ARSENATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1678	POTASSIUM ARSENITE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1679	POTASSIUM CUPROCYANIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1680	POTASSIUM CYANIDE, SOLID	6.1		I		0	E5	P002 IBC07	B1	T6	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1683	SILVER ARSENITE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1684	SILVER CYANIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1685	SODIUM ARSENATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1686	SODIUM ARSENITE, AQUEOUS SOLUTION	6.1		II	43	100 ml	E4	P001 IBC02		T7	TP2
1686	SODIUM ARSENITE, AQUEOUS SOLUTION	6.1		III	43 223	5 L	E1	P001 IBC03 LP01		T4	TP2
1687	SODIUM AZIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4		
1688	SODIUM CACODYLATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1689	SODIUM CYANIDE, SOLID	6.1		I		0	E5	P002 IBC07	B1	T6	TP33
1690	SODIUM FLUORIDE, SOLID	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1691	STRONTIUM ARSENITE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1692	STRYCHNINE or STRYCHNINE SALTS	6.1		I		0	E5	P002 IBC07	B1	T6	TP33
1693	TEAR GAS SUBSTANCE, LIQUID, N.O.S.	6.1		I	274	0	E0	P001			
1693	TEAR GAS SUBSTANCE, LIQUID, N.O.S.	6.1		II	274	0	E0	P001 IBC02			
1694	BROMOBENZYL CYANIDES, LIQUID	6.1		I	138	0	E0	P001		T14	TP2 TP13
1695	CHLOROACETONE, STABILIZED	6.1	3 8	I	354	0	E0	P602		T20	TP2 TP13 TP35
1697	CHLOROACETOPHENONE, SOLID	6.1		II		0	E0	P002 IBC08	B2, B4	T3	TP33
1698	DIPHENYLAMINE CHLOROARSINE	6.1		I		0	E0	P002		T6	TP33
1699	DIPHENYLCHLOROARSINE, LIQUID	6.1		I		0	E0	P001			
1700	TEAR GAS CANDLES	6.1	4.1			0	E0	P600			
1701	XYLYL BROMIDE, LIQUID	6.1		II		0	E0	P001 IBC02		T7	TP2 TP13
1702	1,1,1,2-TETRACHLOROETHANE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
1704	TETRAETHYL DITHIOPYROPHOSPHATE	6.1		II	43	100 ml	E4	P001 IBC02		T7	TP2
1707	THALLIUM COMPOUND, N.O.S.	6.1		II	43 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1708	TOLUIDINES, LIQUID	6.1		II	279	100 ml	E4	P001 IBC02		T7	TP2
1709	2,4-TOLUYLENEDIAMINE, SOLID	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1710	TRICHLOROETHYLENE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
1711	XYLIDINES, LIQUID	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
1712	ZINC ARSENATE, ZINC ARSENITE or ZINC ARSENATE AND ZINC ARSENITE MIXTURE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1713	ZINC CYANIDE	6.1		I		0	E5	P002 IBC07	B1	T6	TP33
1714	ZINC PHOSPHIDE	4.3	6.1	I		0	E0	P403			

UN No.	Name and description	Class or division	Subsidiary hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1715	ACETIC ANHYDRIDE	8	3	II		1 L	E2	P001 IBC02		T7	TP2
1716	ACETYL BROMIDE	8		II		1 L	E2	P001 IBC02		T8	TP2
1717	ACETYL CHLORIDE	3	8	II		1 L	E2	P001 IBC02		T8	TP2
1718	BUTYL ACID PHOSPHATE	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8		II	274	1 L	E2	P001 IBC02		T11	TP2 TP27
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8		III	223 274	5 L	E1	P001 IBC03		T7	TP1 TP28
1722	ALLYL CHLOROFORMATE	6.1	3 8	I		0	E0	P001		T14	TP2 TP13
1723	ALLYL IODIDE	3	8	II		1 L	E2	P001 IBC02		T7	TP2 TP13
1724	ALLYLTRICHLOROSILANE, STABILIZED	8	3	II	386	0	E0	P010		T10	TP2 TP7 TP13
1725	ALUMINIUM BROMIDE, ANHYDROUS	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1726	ALUMINIUM CHLORIDE, ANHYDROUS	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1727	AMMONIUM HYDROGENFLUORIDE, SOLID	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1728	AMYLTRICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
1729	ANISOYL CHLORIDE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1730	ANTIMONY PENTACHLORIDE, LIQUID	8		II		1 L	E2	P001 IBC02		T7	TP2
1731	ANTIMONY PENTACHLORIDE SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2
1731	ANTIMONY PENTACHLORIDE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
1732	ANTIMONY PENTAFLUORIDE	8	6.1	II		1 L	E0	P001 IBC02		T7	TP2
1733	ANTIMONY TRICHLORIDE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1736	BENZOYL CHLORIDE	8		II		1 L	E2	P001 IBC02		T8	TP2 TP13
1737	BENZYL BROMIDE	6.1	8	II		0	E4	P001 IBC02		T8	TP2 TP13
1738	BENZYL CHLORIDE	6.1	8	II		0	E4	P001 IBC02		T8	TP2 TP13
1739	BENZYL CHLOROFORMATE	8		I		0	E0	P001		T10	TP2 TP13
1740	HYDROGENDIFLUORIDES, SOLID, N.O.S.	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1740	HYDROGENDIFLUORIDES, SOLID, N.O.S.	8		III	223	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1741	BORON TRICHLORIDE	2.3	8			0	E0	P200			
1742	BORON TRIFLUORIDE ACETIC ACID COMPLEX, LIQUID	8		II		1 L	E2	P001 IBC02		T8	TP2
1743	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, LIQUID	8		II		1 L	E2	P001 IBC02		T8	TP2
1744	BROMINE or BROMINE SOLUTION	8	6.1	I		0	E0	P804		T22	TP2 TP10 TP13

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1745	BROMINE PENTAFLUORIDE	5.1	6.1 8	I		0	E0	P200		T22	TP2 TP13
1746	BROMINE TRIFLUORIDE	5.1	6.1 8	I		0	E0	P200		T22	TP2 TP13
1747	BUTYLTRICHLOROSILANE	8	3	II		0	E0	P010		T10	TP2 TP7 TP13
1748	CALCIUM HYPOCHLORITE, DRY or CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39% available chlorine (8.8% available oxygen)	5.1		II	314	1 kg	E2	P002 IBC08	PP85 B2, B4, B13		
1748	CALCIUM HYPOCHLORITE, DRY or CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39% available chlorine (8.8% available oxygen)	5.1		III	316	5 kg	E1	P002 IBC08	PP85 B4, B13		
1749	CHLORINE TRIFLUORIDE	2.3	5.1 8			0	E0	P200			
1750	CHLOROACETIC ACID SOLUTION	6.1	8	II		100 ml	E4	P001 IBC02		T7	TP2
1751	CHLOROACETIC ACID, SOLID	6.1	8	II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1752	CHLOROACETYL CHLORIDE	6.1	8	I	354	0	E0	P602		T20	TP2 TP13 TP35
1753	CHLOROPHENYL-TRICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7
1754	CHLOROSULPHONIC ACID (with or without sulphur trioxide)	8		I		0	E0	P001		T20	TP2
1755	CHROMIC ACID SOLUTION	8		II		1 L	E2	P001 IBC02		T8	TP2
1755	CHROMIC ACID SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
1756	CHROMIC FLUORIDE, SOLID	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1757	CHROMIC FLUORIDE SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2
1757	CHROMIC FLUORIDE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
1758	CHROMIUM OXYCHLORIDE	8		I		0	E0	P001		T10	TP2
1759	CORROSIVE SOLID, N.O.S.	8		I	274	0	E0	P002 IBC07	B1	T6	TP33
1759	CORROSIVE SOLID, N.O.S.	8		II	274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1759	CORROSIVE SOLID, N.O.S.	8		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1760	CORROSIVE LIQUID, N.O.S.	8		I	274	0	E0	P001		T14	TP2 TP27
1760	CORROSIVE LIQUID, N.O.S.	8		II	274	1 L	E2	P001 IBC02		T11	TP2 TP27
1760	CORROSIVE LIQUID, N.O.S.	8		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
1761	CUPRIETHYLENEDIAMINE SOLUTION	8	6.1	II		1 L	E2	P001 IBC02		T7	TP2
1761	CUPRIETHYLENEDIAMINE SOLUTION	8	6.1	III	223	5 L	E1	P001 IBC03		T7	TP1 TP28
1762	CYCLOHEXENYL-TRICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1763	CYCLOHEXYL-TRICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
1764	DICHLOROACETIC ACID	8		II		1 L	E2	P001 IBC02		T8	TP2
1765	DICHLOROACETYL CHLORIDE	8		II		1 L	E2	P001 IBC02		T7	TP2
1766	DICHLOROPHENYL-TRICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
1767	DIETHYLDICHLOROSILANE	8	3	II		0	E0	P010		T10	TP2 TP7 TP13
1768	DIFLUOROPHOSPHORIC ACID, ANHYDROUS	8		II		1 L	E2	P001 IBC02		T8	TP2
1769	DIPHENYLDICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
1770	DIPHENYLMETHYL BROMIDE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1771	DODECYLTRICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
1773	FERRIC CHLORIDE, ANHYDROUS	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1774	FIRE EXTINGUISHER CHARGES, corrosive liquid	8		II		1 L	E0	P001	PP4		
1775	FLUOROBORIC ACID	8		II		1 L	E2	P001 IBC02		T7	TP2
1776	FLUOROPHOSPHORIC ACID, ANHYDROUS	8		II		1 L	E2	P001 IBC02		T8	TP2
1777	FLUOROSULPHONIC ACID	8		I		0	E0	P001		T10	TP2
1778	FLUOROSILICIC ACID	8		II		1 L	E2	P001 IBC02		T8	TP2
1779	FORMIC ACID with more than 85% acid by mass	8	3	II		1 L	E2	P001 IBC02		T7	TP2
1780	FUMARYL CHLORIDE	8		II		1 L	E2	P001 IBC02		T7	TP2
1781	HEXADECYL-TRICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
1782	HEXAFLUOROPHOSPHORIC ACID	8		II		1 L	E2	P001 IBC02		T8	TP2
1783	HEXAMETHYLENEDIAMINE SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2
1783	HEXAMETHYLENEDIAMINE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
1784	HEXYLTRICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
1786	HYDROFLUORIC ACID AND SULPHURIC ACID MIXTURE	8	6.1	I		0	E0	P001		T10	TP2 TP13
1787	HYDRIODIC ACID	8		II		1 L	E2	P001 IBC02		T7	TP2
1787	HYDRIODIC ACID	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
1788	HYDROBROMIC ACID	8		II		1 L	E2	P001 IBC02		T7	TP2
1788	HYDROBROMIC ACID	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
1789	HYDROCHLORIC ACID	8		II		1 L	E2	P001 IBC02		T8	TP2



UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1789	HYDROCHLORIC ACID	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
1790	HYDROFLUORIC ACID, with more than 60% hydrogen fluoride	8	6.1	I		0	E0	P802	PP79 PP81	T10	TP2 TP13
1790	HYDROFLUORIC ACID, with not more than 60% hydrogen fluoride	8	6.1	II		1 L	E2	P001 IBC02		T8	TP2
1791	HYPOCHLORITE SOLUTION	8		II		1 L	E2	P001 IBC02	PP10 B5	T7	TP2 TP24
1791	HYPOCHLORITE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP2 TP24
1792	IODINE MONOCHLORIDE, SOLID	8		II		1 kg	E0	P002 IBC08	B2, B4	T7	TP2
1793	ISOPROPYL ACID PHOSPHATE	8		III		5 L	E1	P001 IBC02 LP01		T4	TP1
1794	LEAD SULPHATE with more than 3% free acid	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1796	NITRATING ACID MIXTURE with more than 50% nitric acid	8	5.1	I		0	E0	P001		T10	TP2 TP13
1796	NITRATING ACID MIXTURE with not more than 50% nitric acid	8		II		1 L	E0	P001 IBC02		T8	TP2 TP13
1798	NITROHYDROCHLORIC ACID	8		I		0	E0	P802		T10	TP2 TP13
1799	NONYLTRICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
1800	OCTADECYL-TRICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
1801	OCTYLTRICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
1802	PERCHLORIC ACID with not more than 50% acid, by mass	8	5.1	II		1 L	E0	P001 IBC02		T7	TP2
1803	PHENOLSULPHONIC ACID, LIQUID	8		II		1 L	E2	P001 IBC02		T7	TP2
1804	PHENYLTRICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
1805	PHOSPHORIC ACID, SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
1806	PHOSPHORUS PENTACHLORIDE	8		II		1 kg	E0	P002 IBC08	B2, B4	T3	TP33
1807	PHOSPHORUS PENTOXIDE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1808	PHOSPHORUS TRIBROMIDE	8		II		1 L	E0	P001 IBC02		T7	TP2
1809	PHOSPHORUS TRICHLORIDE	6.1	8	I	354	0	E0	P602		T20	TP2 TP13 TP35
1810	PHOSPHORUS OXYCHLORIDE	6.1	8	I	354	0	E0	P602		T20	TP2 TP13 TP37
1811	POTASSIUM HYDROGEN DIFLUORIDE SOLID	8	6.1	II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1812	POTASSIUM FLUORIDE, SOLID	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1813	POTASSIUM HYDROXIDE, SOLID	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1814	POTASSIUM HYDROXIDE SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1814	POTASSIUM HYDROXIDE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
1815	PROPIONYL CHLORIDE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
1816	PROPYLTRICHLOROSILANE	8	3	II		0	E0	P010		T10	TP2 TP7 TP13
1817	PYROSULPHURYL CHLORIDE	8		II		1 L	E2	P001 IBC02		T8	TP2
1818	SILICON TETRACHLORIDE	8		II		0	E0	P010		T10	TP2 TP7 TP13
1819	SODIUM ALUMINATE SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2
1819	SODIUM ALUMINATE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
1823	SODIUM HYDROXIDE, SOLID	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1824	SODIUM HYDROXIDE SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2
1824	SODIUM HYDROXIDE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
1825	SODIUM MONOXIDE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1826	NITRATING ACID MIXTURE, SPENT, with more than 50% nitric acid	8	5.1	I	113	0	E0	P001		T10	TP2 TP13
1826	NITRATING ACID MIXTURE, SPENT, with not more than 50% nitric acid	8		II	113	1 L	E0	P001 IBC02		T8	TP2
1827	STANNIC CHLORIDE, ANHYDROUS	8		II		1 L	E2	P001 IBC02		T7	TP2
1828	SULPHUR CHLORIDES	8		I		0	E0	P602		T20	TP2
1829	SULPHUR TRIOXIDE, STABILIZED	8		I	386	0	E0	P001		T20	TP4 TP13 TP25 TP26
1830	SULPHURIC ACID with more than 51% acid	8		II		1 L	E2	P001 IBC02		T8	TP2
1831	SULPHURIC ACID, FUMING	8	6.1	I		0	E0	P602		T20	TP2 TP13
1832	SULPHURIC ACID, SPENT	8		II	113	1 L	E0	P001 IBC02		T8	TP2
1833	SULPHUROUS ACID	8		II		1 L	E2	P001 IBC02		T7	TP2
1834	SULPHURYL CHLORIDE	6.1	8	I	354	0	E0	P602		T20	TP2 TP13 TP37
1835	TETRAMETHYLAMMONIUM HYDROXIDE SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2
1835	TETRAMETHYLAMMONIUM HYDROXIDE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T7	TP2
1836	THIONYL CHLORIDE	8		I		0	E0	P802		T10	TP2 TP13
1837	THIOPHOSPHORYL CHLORIDE	8		II		1 L	E0	P001 IBC02		T7	TP2
1838	TITANIUM TETRACHLORIDE	6.1	8	I	354	0	E0	P602		T20	TP2 TP13 TP37
1839	TRICHLOROACETIC ACID	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1840	ZINC CHLORIDE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
1841	ACETALDEHYDE AMMONIA	9		III		5 kg	E1	P002 IBC08 LP02	B3, B6	T1	TP33
1843	AMMONIUM DINITRO-o-CRESOLATE, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1845	CARBON DIOXIDE, SOLID (DRY ICE)	9				0	E0	P003	PP18		
1846	CARBON TETRACHLORIDE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
1847	POTASSIUM SULPHIDE, HYDRATED with not less than 30% water of crystallization	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1848	PROPIONIC ACID with not less than 10% and less than 90% acid by mass	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
1849	SODIUM SULPHIDE, HYDRATED with not less than 30% water	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
1851	MEDICINE, LIQUID, TOXIC, N.O.S.	6.1		II	221	100 ml	E4	P001			
1851	MEDICINE, LIQUID, TOXIC, N.O.S.	6.1		III	221 223	5 L	E1	P001			
1854	BARIUM ALLOYS, PYROPHORIC	4.2		I		0	E0	P404		T21	TP7 TP33
1855	CALCIUM, PYROPHORIC or CALCIUM ALLOYS, PYROPHORIC	4.2		I		0	E0	P404			
1856	RAGS, OILY	4.2			29 117	0	E0	P003 IBC08	PP19 B6		
1857	TEXTILE WASTE, WET	4.2		III	117	0	E1	P410			
1858	HEXAFLUOROPROPYLENE (REFRIGERANT GAS R 1216)	2.2				120 ml	E1	P200		T50	
1859	SILICON TETRAFLUORIDE	2.3	8			0	E0	P200			
1860	VINYL FLUORIDE, STABILIZED	2.1			386	0	E0	P200			
1862	ETHYL CROTONATE	3		II		1 L	E2	P001 IBC02		T4	TP2
1863	FUEL, AVIATION, TURBINE ENGINE	3		I		500 ml	E3	P001		T11	TP1 TP8 TP28
1863	FUEL, AVIATION, TURBINE ENGINE	3		II		1 L	E2	P001 IBC02		T4	TP1 TP8
1863	FUEL, AVIATION, TURBINE ENGINE	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
1865	n-PROPYL NITRATE	3		II	26	1 L	E2	P001 IBC02	B7		
1866	RESIN SOLUTION, flammable	3		I		500 ml	E3	P001		T11	TP1 TP8 TP28
1866	RESIN SOLUTION, flammable	3		II		5 L	E2	P001 IBC02	PP1	T4	TP1 TP8
1866	RESIN SOLUTION, flammable	3		III	223	5 L	E1	P001 IBC03 LP01	PP1	T2	TP1
1868	DECABORANE	4.1	6.1	II		1 kg	E0	P002 IBC06	B2	T3	TP33
1869	MAGNESIUM or MAGNESIUM ALLOYS with more than 50% magnesium in pellets, turnings or ribbons	4.1		III	59	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1870	POTASSIUM BOROHYDRIDE	4.3		I		0	E0	P403			

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						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1871	TITANIUM HYDRIDE	4.1		II		1 kg	E2	P410 IBC04	PP40	T3	TP33
1872	LEAD DIOXIDE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1873	PERCHLORIC ACID with more than 50% but not more than 72% acid, by mass	5.1	8	I	60	0	E0	P502	PP28	T10	TP1
1884	BARIUM OXIDE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1885	BENZIDINE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1886	BENZYLIDENE CHLORIDE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
1887	BROMOCHLOROMETHANE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
1888	CHLOROFORM	6.1		III		5 L	E1	P001 IBC03 LP01		T7	TP2
1889	CYANOGEN BROMIDE	6.1	8	I		0	E0	P002		T6	TP33
1891	ETHYL BROMIDE	6.1		II		100 ml	E4	P001 IBC02	B8	T7	TP2 TP13
1892	ETHYLDICHLOROARSINE	6.1		I	354	0	E0	P602		T20	TP2 TP13 TP37
1894	PHENYLMERCURIC HYDROXIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1895	PHENYLMERCURIC NITRATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
1897	TETRACHLOROETHYLENE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
1898	ACETYL IODIDE	8		II		1 L	E2	P001 IBC02		T7	TP2 TP13
1902	DIISOCTYL ACID PHOSPHATE	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	8		I	274	0	E0	P001			
1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	8		II	274	1 L	E2	P001 IBC02			
1903	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.	8		III	223 274	5 L	E1	P001 IBC03 LP01			
1905	SELENIC ACID	8		I		0	E0	P002 IBC07	B1	T6	TP33
1906	SLUDGE ACID	8		II		1 L	E0	P001 IBC02		T8	TP2 TP28
1907	SODA LIME with more than 4% sodium hydroxide	8		III	62	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1908	CHLORITE SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2 TP24
1908	CHLORITE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP2 TP24
1910	CALCIUM OXIDE	8		III	106	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1911	DIBORANE	2.3	2.1			0	E0	P200			
1912	METHYL CHLORIDE AND METHYLENE CHLORIDE MIXTURE	2.1			228	0	E0	P200		T50	
1913	NEON, REFRIGERATED LIQUID	2.2				120 ml	E1	P203		T75	TP5

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						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1914	BUTYL PROPIONATES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1915	CYCLOHEXANONE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1916	2,2'-DICHLORODIETHYL ETHER	6.1	3	II		100 ml	E4	P001 IBC02		T7	TP2
1917	ETHYL ACRYLATE, STABILIZED	3		II	386	1 L	E2	P001 IBC02		T4	TP1 TP13
1918	ISOPROPYLBENZENE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1919	METHYL ACRYLATE, STABILIZED	3		II	386	1 L	E2	P001 IBC02		T4	TP1 TP13
1920	NONANES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1921	PROPYLENEIMINE, STABILIZED	3	6.1	I	386	0	E0	P001		T14	TP2 TP13
1922	PYRROLIDINE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
1923	CALCIUM DITHIONITE (CALCIUM HYDROSULPHITE)	4.2		II		0	E2	P410 IBC06	B2	T3	TP33
1928	METHYL MAGNESIUM BROMIDE IN ETHYL ETHER	4.3	3	I		0	E0	P402			
1929	POTASSIUM DITHIONITE (POTASSIUM HYDROSULPHITE)	4.2		II		0	E2	P410 IBC06	B2	T3	TP33
1931	ZINC DITHIONITE (ZINC HYDROSULPHITE)	9		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
1932	ZIRCONIUM SCRAP	4.2		III	223	0	E0	P002 IBC08 LP02	B3	T1	TP33
1935	CYANIDE SOLUTION, N.O.S.	6.1		I	274	0	E5	P001		T14	TP2 TP13 TP27
1935	CYANIDE SOLUTION, N.O.S.	6.1		II	274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
1935	CYANIDE SOLUTION, N.O.S.	6.1		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP13 TP28
1938	BROMOACETIC ACID SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2
1938	BROMOACETIC ACID SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T7	TP2
1939	PHOSPHORUS OXYBROMIDE	8		II		1 kg	E0	P002 IBC08	B2, B4	T3	TP33
1940	THIOGLYCOLIC ACID	8		II		1 L	E2	P001 IBC02		T7	TP2
1941	DIBROMODIFLUOROMETHANE	9		III		5 L	E1	P001 LP01		T11	TP2
1942	AMMONIUM NITRATE with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance	5.1		III	306	5 kg	E1	P002 IBC08 LP02	B3	T1 BK1 BK2 BK3	TP33
1944	MATCHES, SAFETY (book, card or strike on box)	4.1		III	293 294	5 kg	E1	P407			
1945	MATCHES, WAX 'VESTA'	4.1		III	293 294	5 kg	E1	P407			

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						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1950	AEROSOLS	2			63 190 277 327 344 381	See SP 277	E0	P207 LP200	PP87 L2		
1951	ARGON, REFRIGERATED LIQUID	2.2				120 ml	E1	P203		T75	TP5
1952	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with not more than 9% ethylene oxide	2.2				120 ml	E1	P200			
1953	COMPRESSED GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	2.1		274	0	E0	P200			
1954	COMPRESSED GAS, FLAMMABLE, N.O.S.	2.1			274 <u>392</u>	0	E0	P200			
1955	COMPRESSED GAS, TOXIC, N.O.S.	2.3			274	0	E0	P200			
1956	COMPRESSED GAS, N.O.S.	2.2			274 378	120 ml	E1	P200			
1957	DEUTERIUM, COMPRESSED	2.1				0	E0	P200			
1958	1,2-DICHLORO-1,1,2,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 114)	2.2				120 ml	E1	P200		T50	
1959	1,1-DIFLUOROETHYLENE (REFRIGERANT GAS R 1132a)	2.1				0	E0	P200			
1961	ETHANE, REFRIGERATED LIQUID	2.1				0	E0	P203		T75	TP5
1962	ETHYLENE	2.1				0	E0	P200			
1963	HELIUM, REFRIGERATED LIQUID	2.2				120 ml	E1	P203		T75	TP5 TP34
1964	HYDROCARBON GAS MIXTURE, COMPRESSED, N.O.S.	2.1			274	0	E0	P200			
1965	HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S.	2.1			274 <u>392</u>	0	E0	P200		T50	
1966	HYDROGEN, REFRIGERATED LIQUID	2.1				0	E0	P203		T75	TP5 TP34
1967	INSECTICIDE GAS, TOXIC, N.O.S.	2.3			274	0	E0	P200			
1968	INSECTICIDE GAS, N.O.S.	2.2			274	120 ml	E1	P200			
1969	ISOBUTANE	2.1			<u>-392</u>	0	E0	P200		T50	
1970	KRYPTON, REFRIGERATED LIQUID	2.2				120 ml	E1	P203		T75	TP5
1971	METHANE, COMPRESSED or NATURAL GAS, COMPRESSED with high methane content	2.1			<u>-392</u>	0	E0	P200			
1972	METHANE, REFRIGERATED LIQUID or NATURAL GAS, REFRIGERATED LIQUID with high methane content	2.1				0	E0	P203		T75	TP5
1973	CHLORODIFLUOROMETHANE AND CHLOROPENTAFLUOROETHANE MIXTURE with fixed boiling point, with approximately 49% chlorodifluoromethane (REFRIGERANT GAS R 502)	2.2				120 ml	E1	P200		T50	
1974	CHLORODIFLUORO-BROMOMETHANE (REFRIGERANT GAS R 12B1)	2.2				120 ml	E1	P200		T50	

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						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1975	NITRIC OXIDE AND DINITROGEN TETROXIDE MIXTURE (NITRIC OXIDE AND NITROGEN DIOXIDE MIXTURE)	2.3	5.1 8			0	E0	P200			
1976	OCTAFLUOROCYCLOBUTANE (REFRIGERANT GAS RC 318)	2.2				120 ml	E1	P200		T50	
1977	NITROGEN, REFRIGERATED LIQUID	2.2			345 346	120 ml	E1	P203		T75	TP5
1978	PROPANE	2.1			392	0	E0	P200		T50	
1982	TETRAFLUOROMETHANE (REFRIGERANT GAS R 14)	2.2				120 ml	E1	P200			
1983	1-CHLORO-2,2,2-TRIFLUOROETHANE (REFRIGERANT GAS R 133a)	2.2				120 ml	E1	P200		T50	
1984	TRIFLUOROMETHANE (REFRIGERANT GAS R 23)	2.2				120 ml	E1	P200			
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	6.1	I	274	0	E0	P001		T14	TP2 TP13 TP27
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	274	1 L	E2	P001 IBC02		T11	TP2 TP27
1986	ALCOHOLS, FLAMMABLE, TOXIC, N.O.S.	3	6.1	III	223 274	5 L	E1	P001 IBC03		T7	TP1 TP28
1987	ALCOHOLS, N.O.S.	3		II	274	1 L	E2	P001 IBC02		T7	TP1 TP8 TP28
1987	ALCOHOLS, N.O.S.	3		III	223 274	5 L	E1	P001 IBC03 LP01		T4	TP1 TP29
1988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3	6.1	I	274	0	E0	P001		T14	TP2 TP13 TP27
1988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	274	1 L	E2	P001 IBC02		T11	TP2 TP27
1988	ALDEHYDES, FLAMMABLE, TOXIC, N.O.S.	3	6.1	III	223 274	5 L	E1	P001 IBC03		T7	TP1 TP28
1989	ALDEHYDES, N.O.S.	3		I	274	0	E3	P001		T11	TP1 TP27
1989	ALDEHYDES, N.O.S.	3		II	274	1 L	E2	P001 IBC02		T7	TP1 TP8 TP28
1989	ALDEHYDES, N.O.S.	3		III	223 274	5 L	E1	P001 IBC03 LP01		T4	TP1 TP29
1990	BENZALDEHYDE	9		III		5 L	E1	P001 IBC03 LP01		T2	TP1
1991	CHLOROPRENE, STABILIZED	3	6.1	I	386	0	E0	P001		T14	TP2 TP6 TP13
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	6.1	I	274	0	E0	P001		T14	TP2 TP13 TP27
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	6.1	II	274	1 L	E2	P001 IBC02		T7	TP2 TP13
1992	FLAMMABLE LIQUID, TOXIC, N.O.S.	3	6.1	III	223 274	5 L	E1	P001 IBC03		T7	TP1 TP28
1993	FLAMMABLE LIQUID, N.O.S.	3		I	274	0	E3	P001		T11	TP1 TP27
1993	FLAMMABLE LIQUID, N.O.S.	3		II	274	1 L	E2	P001 IBC02		T7	TP1 TP8 TP28
1993	FLAMMABLE LIQUID, N.O.S.	3		III	223 274	5 L	E1	P001 IBC03 LP01		T4	TP1 TP29

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
1994	IRON PENTACARBONYL	6.1	3	I	354	0	E0	P601		T22	TP2 TP13
1999	TARS, LIQUID, including road oils, and cutback bitumens	3		II		5 L	E2	P001 IBC02		T3	TP3 TP29
1999	TARS, LIQUID, including road oils, and cutback bitumens	3		III	223	5 L	E1	P001 IBC03 LP01		T1	TP3
2000	CELLULOID in block, rods, rolls, sheets, tubes, etc., except scrap	4.1		III	223 383	5 kg	E1	P002 LP02	PP7		
2001	COBALT NAPHTHENATES, POWDER	4.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2002	CELLULOID, SCRAP	4.2		III	223	0	E0	P002 IBC08 LP02	PP8 B3		
2004	MAGNESIUM DIAMIDE	4.2		II		0	E2	P410 IBC06		T3	TP33
2006	PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S.	4.2		III	274	0	E0	P002			
2008	ZIRCONIUM POWDER, DRY	4.2		I		0	E0	P404		T21	TP7 TP33
2008	ZIRCONIUM POWDER, DRY	4.2		II		0	E2	P410 IBC06	B2	T3	TP33
2008	ZIRCONIUM POWDER, DRY	4.2		III	223	0	E1	P002 IBC08 LP02	B3	T1	TP33
2009	ZIRCONIUM, DRY, finished sheets, strip or coiled wire	4.2		III	223	0	E1	P002 LP02			
2010	MAGNESIUM HYDRIDE	4.3		I		0	E0	P403			
2011	MAGNESIUM PHOSPHIDE	4.3	6.1	I		0	E0	P403			
2012	POTASSIUM PHOSPHIDE	4.3	6.1	I		0	E0	P403			
2013	STRONTIUM PHOSPHIDE	4.3	6.1	I		0	E0	P403			
2014	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20% but not more than 60% hydrogen peroxide (stabilized as necessary)	5.1	8	II		1 L	E2	P504 IBC02	PP10 B5	T7	TP2 TP6 TP24
2015	HYDROGEN PEROXIDE, STABILIZED or HYDROGEN PEROXIDE, AQUEOUS SOLUTION, STABILIZED with more than 60% hydrogen peroxide	5.1	8	I		0	E0	P501		T9	TP2 TP6 TP24
2016	AMMUNITION, TOXIC, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	6.1				0	E0	P600			
2017	AMMUNITION, TEAR-PRODUCING, NON-EXPLOSIVE without burster or expelling charge, non-fuzed	6.1	8			0	E0	P600			
2018	CHLOROANILINES, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2019	CHLOROANILINES, LIQUID	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2020	CHLOROPHENOLS, SOLID	6.1		III	205	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2021	CHLOROPHENOLS, LIQUID	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2022	CRESYLIC ACID	6.1	8	II		100 ml	E4	P001 IBC02		T7	TP2 TP13
2023	EPICHLOROHYDRIN	6.1	3	II	279	100 ml	E4	P001 IBC02		T7	TP2 TP13



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						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1		I	43 66 274	0	E5	P001			
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1		II	43 66 274	100 ml	E4	P001 IBC02			
2024	MERCURY COMPOUND, LIQUID, N.O.S.	6.1		III	43 66 223 274	5 L	E1	P001 IBC03 LP01			
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1		I	43 66 274	0	E5	P002 IBC07	B1	T6	TP33
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1		II	43 66 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2025	MERCURY COMPOUND, SOLID, N.O.S.	6.1		III	43 66 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1		I	43 274	0	E5	P002 IBC07	B1	T6	TP33
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1		II	43 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2026	PHENYLMERCURIC COMPOUND, N.O.S.	6.1		III	43 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2027	SODIUM ARSENITE, SOLID	6.1		II	43	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2028	BOMBS, SMOKE, NON-EXPLOSIVE with corrosive liquid, without initiating device	8		II		0	E0	P803			
2029	HYDRAZINE, ANHYDROUS	8	3 6.1	I		0	E0	P001			
2030	HYDRAZINE AQUEOUS SOLUTION with more than 37% hydrazine, by mass	8	6.1	I		0	E0	P001		T10	TP2 TP13
2030	HYDRAZINE AQUEOUS SOLUTION with more than 37% hydrazine, by mass	8	6.1	II		1 L	E0	P001 IBC02		T7	TP2 TP13
2030	HYDRAZINE AQUEOUS SOLUTION with more than 37% hydrazine, by mass	8	6.1	III		5 L	E1	P001 IBC03 LP01		T4	TP1
2031	NITRIC ACID, other than red fuming, with more than 70% nitric acid	8	5.1	I		0	E0	P001	PP81	T10	TP2 TP13
2031	NITRIC ACID, other than red fuming, with at least 65%, but not more than 70% nitric acid	8	5.1	II		1 L	E2	P001 IBC02	PP81 B15	T8	TP2
2031	NITRIC ACID, other than red fuming, with less than 65% nitric acid	8		II		1 L	E2	P001 IBC02	PP81 B15	T8	TP2
2032	NITRIC ACID, RED FUMING	8	5.1 6.1	I		0	E0	P602	PP81	T20	TP2 TP13
2033	POTASSIUM MONOXIDE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2034	HYDROGEN AND METHANE MIXTURE, COMPRESSED	2.1				0	E0	P200			
2035	1,1,1-TRIFLUOROETHANE (REFRIGERANT GAS R 143a)	2.1				0	E0	P200		T50	
2036	XENON	2.2			378	120 ml	E1	P200			
2037	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable	2			191 277 303 344	See SP 277	E0	P003	PP17		

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						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2038	DINITROTOLUENES, LIQUID	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2044	2,2-DIMETHYLPROPANE	2.1				0	E0	P200			
2045	ISOBUTYRALDEHYDE (ISOBUTYL ALDEHYDE)	3		II		1 L	E2	P001 IBC02		T4	TP1
2046	CYMENES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2047	DICHLOROPROPENES	3		II		1 L	E2	P001 IBC02		T4	TP1
2047	DICHLOROPROPENES	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
2048	DICYCLOPENTADIENE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2049	DIETHYLBENZENE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2050	DIISOBUTYLENE, ISOMERIC COMPOUNDS	3		II		1 L	E2	P001 IBC02		T4	TP1
2051	2-DIMETHYLAMINOETHANOL	8	3	II		1 L	E2	P001 IBC02		T7	TP2
2052	DIPENTENE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2053	METHYL ISOBUTYL CARBINOL	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2054	MORPHOLINE	8	3	I		0	E0	P001		T10	TP2
2055	STYRENE MONOMER, STABILIZED	3		III	386	5 L	E1	P001 IBC03 LP01		T2	TP1
2056	TETRAHYDROFURAN	3		II		1 L	E2	P001 IBC02		T4	TP1
2057	TRIPROPYLENE	3		II		1 L	E2	P001 IBC02		T4	TP1
2057	TRIPROPYLENE	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
2058	VALERALDEHYDE	3		II		1 L	E2	P001 IBC02		T4	TP1
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3		I	198	0	E0	P001		T11	TP1 TP8 TP27
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3		II	198	1 L	E0	P001 IBC02		T4	TP1 TP8
2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	3		III	198 223	5 L	E0	P001 IBC03 LP01		T2	TP1
2067	AMMONIUM NITRATE BASED FERTILIZER	5.1		III	186 306 307	5 kg	E1	P002 IBC08 LP02	B3	T1 BK1 BK2 BK3	TP33
2071	AMMONIUM NITRATE BASED FERTILIZER	9		III	186 193	5 kg	E1	P002 IBC08 LP02	B3	<del>BK2</del>	
2073	AMMONIA SOLUTION, relative density less than 0.880 at 15 °C in water, with more than 35% but not more than 50% ammonia	2.2				120 ml	E0	P200			

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						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2074	ACRYLAMIDE, SOLID	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2075	CHLORAL, ANHYDROUS, STABILIZED	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2076	CRESOLS, LIQUID	6.1	8	II		100 ml	E4	P001 IBC02		T7	TP2
2077	alpha-NAPHTHYLAMINE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2078	TOLUENE DIISOCYANATE	6.1		II	279	100 ml	E4	P001 IBC02		T7	TP2 TP13
2079	DIETHYLENETRIAMINE	8		II		1 L	E2	P001 IBC02		T7	TP2
2186	HYDROGEN CHLORIDE, REFRIGERATED LIQUID	2.3	8			0	E0	P099			
2187	CARBON DIOXIDE, REFRIGERATED LIQUID	2.2				120 ml	E1	P203		T75	TP5
2188	ARSINE	2.3	2.1			0	E0	P200			
2189	DICHLOROSILANE	2.3	2.1 8			0	E0	P200			
2190	OXYGEN DIFLUORIDE, COMPRESSED	2.3	5.1 8			0	E0	P200			
2191	SULPHURYL FLUORIDE	2.3				0	E0	P200			
2192	GERMANE	2.3	2.1			0	E0	P200			
2193	HEXAFLUOROETHANE (REFRIGERANT GAS R 116)	2.2				120 ml	E1	P200			
2194	SELENIUM HEXAFLUORIDE	2.3	8			0	E0	P200			
2195	TELLURIUM HEXAFLUORIDE	2.3	8			0	E0	P200			
2196	TUNGSTEN HEXAFLUORIDE	2.3	8			0	E0	P200			
2197	HYDROGEN IODIDE, ANHYDROUS	2.3	8			0	E0	P200			
2198	PHOSPHORUS PENTAFLUORIDE	2.3	8			0	E0	P200			
2199	PHOSPHINE	2.3	2.1			0	E0	P200			
2200	PROPADIENE, STABILIZED	2.1			386	0	E0	P200			
2201	NITROUS OXIDE, REFRIGERATED LIQUID	2.2	5.1			0	E0	P203		T75	TP5 TP22
2202	HYDROGEN SELENIDE, ANHYDROUS	2.3	2.1			0	E0	P200			
2203	SILANE	2.1				0	E0	P200			
2204	CARBONYL SULPHIDE	2.3	2.1			0	E0	P200			
2205	ADIPONITRILE	6.1		III		5 L	E1	P001 IBC03 LP01		T3	TP1
2206	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1		II	274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
2206	ISOCYANATES, TOXIC, N.O.S. or ISOCYANATE SOLUTION, TOXIC, N.O.S.	6.1		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP13 TP28
2208	CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 10% but not more than 39% available chlorine	5.1		III	314	5 kg	E1	P002 IBC08 LP02	PP85 B3, B13 L3		
2209	FORMALDEHYDE SOLUTION with not less than 25% formaldehyde	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2210	MANEB or MANEB PREPARATION with not less than 60% maneb	4.2	4.3	III	273	0	E1	P002 IBC06		T1	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2211	POLYMERIC BEADS, EXPANDABLE, evolving flammable vapour	9		III	382	5 kg	E1	P002 IBC08	PP14 B3, B6	T1	TP33
2212	ASBESTOS, AMPHIBOLE (amosite, tremolite, actinolite, anthophyllite, crocidolite)	9		II	168 274	1 kg	E0	P002 IBC08	PP37 B2, B4	T3	TP33
2213	PARAFORMALDEHYDE	4.1		III	223	5 kg	E1	P002 IBC08 LP02	PP12 B3	T1 BK1 BK2 BK3	TP33
2214	PHTHALIC ANHYDRIDE with more than 0.05% of maleic anhydride	8		III	169	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2215	MALEIC ANHYDRIDE	8		III		5 kg	E1	P002 IBC08	B3	T1	TP33
2215	MALEIC ANHYDRIDE, MOLTEN	8		III		0	E0	NONE		T4	TP3
2216	FISH MEAL (FISH SCRAP), STABILIZED	9		III	29 117 300 308	0	E1	P900 IBC08	B3	T1 <u>BK2</u>	TP33
2217	SEED CAKE with not more than 1.5% oil and not more than 11% moisture	4.2		III	29 142	0	E0	P002 IBC08 LP02	PP20 B3, B6	<u>-BK2</u>	
2218	ACRYLIC ACID, STABILIZED	8	3	II	386	1 L	E2	P001 IBC02		T7	TP2
2219	ALLYL GLYCIDYL ETHER	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2222	ANISOLE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2224	BENZONITRILE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2225	BENZENESULPHONYL CHLORIDE	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2226	BENZOTRICHLORIDE	8		II		1 L	E2	P001 IBC02		T7	TP2
2227	n-BUTYL METHACRYLATE, STABILIZED	3		III	386	5 L	E1	P001 IBC03 LP01		T2	TP1
2232	2-CHLOROETHANAL	6.1		I	354	0	E0	P602		T20	TP2 TP13 TP37
2233	CHLOROANISIDINES	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2234	CHLOROBENZOTRIFLUORIDES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2235	CHLOROBENZYL CHLORIDES, LIQUID	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2236	3-CHLORO-4-METHYLPHENYL ISOCYANATE, LIQUID	6.1		II		100 ml	E4	P001 IBC02			
2237	CHLORONITROANILINES	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2238	CHLOROTOLUENES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2239	CHLOROTOLUIDINES, SOLID	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2240	CHROMOSULPHURIC ACID	8		I		0	E0	P001		T10	TP2 TP13

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2241	CYCLOHEPTANE	3		II		1 L	E2	P001 IBC02		T4	TP1
2242	CYCLOHEPTENE	3		II		1 L	E2	P001 IBC02		T4	TP1
2243	CYCLOHEXYL ACETATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2244	CYCLOPENTANOL	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2245	CYCLOPENTANONE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2246	CYCLOPENTENE	3		II		1 L	E2	P001 IBC02	B8	T7	TP2
2247	n-DECANE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2248	DI-n-BUTYLAMINE	8	3	II		1 L	E2	P001 IBC02		T7	TP2
2249	DICHLORODIMETHYL ETHER, SYMMETRICAL	6.1	3	I		0	E0	P099			
2250	DICHLOROPHENYL ISOCYANATES	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2251	BICYCLO[2.2.1]-HEPTA-2,5-DIENE, STABILIZED (2,5-NORBORNADIENE, STABILIZED)	3		II	386	1 L	E2	P001 IBC02		T7	TP2
2252	1,2-DIMETHOXYETHANE	3		II		1 L	E2	P001 IBC02		T4	TP1
2253	N,N-DIMETHYLANILINE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2254	MATCHES, FUSEE	4.1		III	293	5 kg	E0	P407			
2256	CYCLOHEXENE	3		II		1 L	E2	P001 IBC02		T4	TP1
2257	POTASSIUM	4.3		I		0	E0	P403 IBC04	B1	T9	TP7 TP33
2258	1,2-PROPYLENEDIAMINE	8	3	II		1 L	E2	P001 IBC02		T7	TP2
2259	TRIETHYLENETETRAMINE	8		II		1 L	E2	P001 IBC02		T7	TP2
2260	TRIPROPYLAMINE	3	8	III		5 L	E1	P001 IBC03		T4	TP1
2261	XYLENOLS, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2262	DIMETHYL CARBAMOYL CHLORIDE	8		II		1 L	E2	P001 IBC02		T7	TP2
2263	DIMETHYLCYCLOHEXANES	3		II		1 L	E2	P001 IBC02		T4	TP1
2264	N,N-DIMETHYL-CYCLOHEXYLAMINE	8	3	II		1 L	E2	P001 IBC02		T7	TP2
2265	N,N-DIMETHYLFORMAMIDE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP2
2266	DIMETHYL-N-PROPYLAMINE	3	8	II		1 L	E2	P001 IBC02		T7	TP2 TP13
2267	DIMETHYL THIOPHOSPHORYL CHLORIDE	6.1	8	II		100 ml	E4	P001 IBC02		T7	TP2
2269	3,3'-IMINODIPROPYLAMINE	8		III		5 L	E1	P001 IBC03 LP01		T4	TP2
2270	ETHYLAMINE, AQUEOUS SOLUTION with not less than 50% but not more than 70% ethylamine	3	8	II		1 L	E2	P001 IBC02		T7	TP1

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						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2271	ETHYL AMYL KETONE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2272	N-ETHYLANILINE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2273	2-ETHYLANILINE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2274	N-ETHYL-N-BENZYLANILINE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2275	2-ETHYLBUTANOL	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2276	2-ETHYLHEXYLAMINE	3	8	III		5 L	E1	P001 IBC03		T4	TP1
2277	ETHYL METHACRYLATE, STABILIZED	3		II	386	1 L	E2	P001 IBC02		T4	TP1
2278	n-HEPTENE	3		II		1 L	E2	P001 IBC02		T4	TP1
2279	HEXACHLOROBUTADIENE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2280	HEXAMETHYLENEDIAMINE, SOLID	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2281	HEXAMETHYLENE-DIISOCYANATE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2 TP13
2282	HEXANOLS	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2283	ISOBUTYL METHACRYLATE, STABILIZED	3		III	386	5 L	E1	P001 IBC03 LP01		T2	TP1
2284	ISOBUTYRONITRILE	3	6.1	II		1 L	E2	P001 IBC02		T7	TP2 TP13
2285	ISOCYANATOBENZO-TRIFLUORIDES	6.1	3	II		100 ml	E4	P001 IBC02		T7	TP2
2286	PENTAMETHYLHEPTANE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2287	ISOHEPTENES	3		II		1 L	E2	P001 IBC02		T4	TP1
2288	ISOHEXENES	3		II		1 L	E2	P001 IBC02	B8	T11	TP1
2289	ISOPHORONEDIAMINE	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2290	ISOPHORONE DIISOCYANATE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP2
2291	LEAD COMPOUND, SOLUBLE, N.O.S.	6.1		III	199 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2293	4-METHOXY-4-METHYLPENTAN-2-ONE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2294	N-METHYLANILINE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2295	METHYL CHLOROACETATE	6.1	3	I		0	E0	P001		T14	TP2 TP13
2296	METHYLCYCLOHEXANE	3		II		1 L	E2	P001 IBC02		T4	TP1
2297	METHYLCYCLOHEXANONE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1

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						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2298	METHYLCYCLOPENTANE	3		II		1 L	E2	P001 IBC02		T4	TP1
2299	METHYL DICHLOROACETATE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2300	2-METHYL-5-ETHYLPYRIDINE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2301	2-METHYLFURAN	3		II		1 L	E2	P001 IBC02		T4	TP1
2302	5-METHYLHEXAN-2-ONE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2303	ISOPROPENYLBENZENE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2304	NAPHTHALENE, MOLTEN	4.1		III		0	E0	NONE		T1	TP3
2305	NITROBENZENESULPHONIC ACID	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2306	NITROBENZOTRIFLUORIDES, LIQUID	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2307	3-NITRO-4-CHLOROBENZOTRIFLUORIDE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2308	NITROSYLSULPHURIC ACID, LIQUID	8		II		1 L	E2	P001 IBC02		T8	TP2
2309	OCTADIENE	3		II		1 L	E2	P001 IBC02		T4	TP1
2310	PENTANE-2,4-DIONE	3	6.1	III		5 L	E1	P001 IBC03		T4	TP1
2311	PHENETIDINES	6.1		III	279	5 L	E1	P001 IBC03 LP01		T4	TP1
2312	PHENOL, MOLTEN	6.1		II		0	E0	NONE		T7	TP3
2313	PICOLINES	3		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2315	POLYCHLORINATED BIPHENYLS, LIQUID	9		II	305	1 L	E2	P906 IBC02		T4	TP1
2316	SODIUM CUPROCYANIDE, SOLID	6.1		I		0	E5	P002 IBC07	B1	T6	TP33
2317	SODIUM CUPROCYANIDE SOLUTION	6.1		I		0	E5	P001		T14	TP2 TP13
2318	SODIUM HYDROSULPHIDE with less than 25% water of crystallization	4.2		II		0	E2	P410 IBC06	B2	T3	TP33
2319	TERPENE HYDROCARBONS, N.O.S.	3		III		5 L	E1	P001 IBC03 LP01		T4	TP1 TP29
2320	TETRAETHYLENEPENTAMINE	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2321	TRICHLOROBENZENES, LIQUID	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2322	TRICHLOROBUTENE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2323	TRIETHYL PHOSPHITE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2324	TRISOBUTYLENE	3		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2325	1,3,5-TRIMETHYLBENZENE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2326	TRIMETHYL-CYCLOHEXYLAMINE	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2327	TRIMETHYL-HEXAMETHYLENEDIAMINES	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2328	TRIMETHYLHEXAMETHYLENE DIISOCYANATE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP2 TP13
2329	TRIMETHYL PHOSPHITE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2330	UNDECANE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2331	ZINC CHLORIDE, ANHYDROUS	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2332	ACETALDEHYDE OXIME	3		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2333	ALLYL ACETATE	3	6.1	II		1 L	E2	P001 IBC02		T7	TP1 TP13
2334	ALLYLAMINE	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP35
2335	ALLYL ETHYL ETHER	3	6.1	II		1 L	E2	P001 IBC02		T7	TP1 TP13
2336	ALLYL FORMATE	3	6.1	I		0	E0	P001		T14	TP2 TP13
2337	PHENYL MERCAPTAN	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP35
2338	BENZOTRIFLUORIDE	3		II		1 L	E2	P001 IBC02		T4	TP1
2339	2-BROMOBUTANE	3		II		1 L	E2	P001 IBC02		T4	TP1
2340	2-BROMOETHYL ETHYL ETHER	3		II		1 L	E2	P001 IBC02		T4	TP1
2341	1-BROMO-3-METHYLBUTANE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2342	BROMOMETHYLPROPANES	3		II		1 L	E2	P001 IBC02		T4	TP1
2343	2-BROMOPENTANE	3		II		1 L	E2	P001 IBC02		T4	TP1
2344	BROMOPROPANES	3		II		1 L	E2	P001 IBC02		T4	TP1
2344	BROMOPROPANES	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
2345	3-BROMOPROPYNE	3		II		1 L	E2	P001 IBC02		T4	TP1
2346	BUTANEDIONE	3		II		1 L	E2	P001 IBC02		T4	TP1
2347	BUTYL MERCAPTAN	3		II		1 L	E2	P001 IBC02		T4	TP1
2348	BUTYL ACRYLATES, STABILIZED	3		III	386	5 L	E1	P001 IBC03 LP01		T2	TP1
2350	BUTYL METHYL ETHER	3		II		1 L	E2	P001 IBC02		T4	TP1
2351	BUTYL NITRITES	3		II		1 L	E2	P001 IBC02		T4	TP1
2351	BUTYL NITRITES	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1



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						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2352	BUTYL VINYL ETHER, STABILIZED	3		II	386	1 L	E2	P001 IBC02		T4	TP1
2353	BUTYRYL CHLORIDE	3	8	II		1 L	E2	P001 IBC02		T8	TP2 TP13
2354	CHLOROMETHYL ETHYL ETHER	3	6.1	II		1 L	E2	P001 IBC02		T7	TP1 TP13
2356	2-CHLOROPROPANE	3		I		0	E3	P001		T11	TP2 TP13
2357	CYCLOHEXYLAMINE	8	3	II		1 L	E2	P001 IBC02		T7	TP2
2358	CYCLOOCTATETRAENE	3		II		1 L	E2	P001 IBC02		T4	TP1
2359	DIALLYLAMINE	3	6.1 8	II		1 L	E2	P001 IBC99		T7	TP1
2360	DIALLYL ETHER	3	6.1	II		1 L	E2	P001 IBC02		T7	TP1 TP13
2361	DIISOBUTYLAMINE	3	8	III		5 L	E1	P001 IBC03		T4	TP1
2362	1,1-DICHLOROETHANE	3		II		1 L	E2	P001 IBC02		T4	TP1
2363	ETHYL MERCAPTAN	3		I		0	E0	P001		T11	TP2 TP13
2364	n-PROPYLBENZENE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2366	DIETHYL CARBONATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2367	alpha-METHYL-VALERALDEHYDE	3		II		1 L	E2	P001 IBC02		T4	TP1
2368	alpha-PINENE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2370	1-HEXENE	3		II		1 L	E2	P001 IBC02		T4	TP1
2371	ISOPENTENES	3		I		0	E3	P001		T11	TP2
2372	1,2-DI-(DIMETHYLAMINO) ETHANE	3		II		1 L	E2	P001 IBC02		T4	TP1
2373	DIETHOXYMETHANE	3		II		1 L	E2	P001 IBC02		T4	TP1
2374	3,3-DIETHOXYPROPENE	3		II		1 L	E2	P001 IBC02		T4	TP1
2375	DIETHYL SULPHIDE	3		II		1 L	E2	P001 IBC02		T7	TP1 TP13
2376	2,3-DIHYDROPYRAN	3		II		1 L	E2	P001 IBC02		T4	TP1
2377	1,1-DIMETHOXYETHANE	3		II		1 L	E2	P001 IBC02		T7	TP1
2378	2-DIMETHYL-AMINOACETONITRILE	3	6.1	II		1 L	E2	P001 IBC02		T7	TP1
2379	1,3-DIMETHYLBUTYLAMINE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
2380	DIMETHYLDIETHOXSILANE	3		II		1 L	E2	P001 IBC02		T4	TP1
2381	DIMETHYL DISULPHIDE	3	6.1	II		1 L	E0	P001 IBC02		T7	TP2 TP13 TP39
2382	DIMETHYLHYDRAZINE, SYMMETRICAL	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
2383	DIPROPYLAMINE	3	8	II	386	1 L	E2	P001 IBC02		T7	TP1
2384	DI-n-PROPYL ETHER	3		II		1 L	E2	P001 IBC02		T4	TP1
2385	ETHYL ISOBUTYRATE	3		II		1 L	E2	P001 IBC02		T4	TP1

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2386	1-ETHYLPIPERIDINE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
2387	FLUOROBENZENE	3		II		1 L	E2	P001 IBC02		T4	TP1
2388	FLUOROTOLUENES	3		II		1 L	E2	P001 IBC02		T4	TP1
2389	FURAN	3		I		0	E3	P001		T12	TP2 TP13
2390	2-IODOBUTANE	3		II		1 L	E2	P001 IBC02		T4	TP1
2391	IODOMETHYLPROPANES	3		II		1 L	E2	P001 IBC02		T4	TP1
2392	IODOPROPANES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2393	ISOBUTYL FORMATE	3		II		1 L	E2	P001 IBC02		T4	TP1
2394	ISOBUTYL PROPIONATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2395	ISOBUTYRYL CHLORIDE	3	8	II		1 L	E2	P001 IBC02		T7	TP2
2396	METHACRYLALDEHYDE, STABILIZED	3	6.1	II	386	1 L	E2	P001 IBC02		T7	TP1 TP13
2397	3-METHYLBUTAN-2-ONE	3		II		1 L	E2	P001 IBC02		T4	TP1
2398	METHYL tert-BUTYL ETHER	3		II		1 L	E2	P001 IBC02		T7	TP1
2399	1-METHYLPIPERIDINE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
2400	METHYL ISOVALERATE	3		II		1 L	E2	P001 IBC02		T4	TP1
2401	PIPERIDINE	8	3	I		0	E0	P001		T10	TP2
2402	PROPANETHIOLS	3		II		1 L	E2	P001 IBC02		T4	TP1 TP13
2403	ISOPROPENYL ACETATE	3		II		1 L	E2	P001 IBC02		T4	TP1
2404	PROPIONITRILE	3	6.1	II		1 L	E0	P001 IBC02		T7	TP1 TP13
2405	ISOPROPYL BUTYRATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2406	ISOPROPYL ISOBUTYRATE	3		II		1 L	E2	P001 IBC02		T4	TP1
2407	ISOPROPYL CHLOROFORMATE	6.1	3 8	I	354	0	E0	P602			
2409	ISOPROPYL PROPIONATE	3		II		1 L	E2	P001 IBC02		T4	TP1
2410	1,2,3,6-TETRAHYDROPYRIDINE	3		II		1 L	E2	P001 IBC02		T4	TP1
2411	BUTYRONITRILE	3	6.1	II		1 L	E2	P001 IBC02		T7	TP1 TP13
2412	TETRAHYDROTHIOPHENE	3		II		1 L	E2	P001 IBC02		T4	TP1
2413	TETRAPROPYL ORTHOTITANATE	3		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2414	THIOPHENE	3		II		1 L	E2	P001 IBC02		T4	TP1
2416	TRIMETHYL BORATE	3		II		1 L	E2	P001 IBC02		T7	TP1
2417	CARBONYL FLUORIDE	2.3	8			0	E0	P200			
2418	SULPHUR TETRAFLUORIDE	2.3	8			0	E0	P200			
2419	BROMOTRIFLUOROETHYLENE	2.1				0	E0	P200			
2420	HEXAFLUOROACETONE	2.3	8			0	E0	P200			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2421	NITROGEN TRIOXIDE	2.3	5.1 8			0	E0	P200			
2422	OCTAFLUOROBUT-2-ENE (REFRIGERANT GAS R 1318)	2.2				120 ml	E1	P200			
2424	OCTAFLUOROPROPANE (REFRIGERANT GAS R 218)	2.2				120 ml	E1	P200		T50	
2426	AMMONIUM NITRATE, LIQUID (hot concentrated solution)	5.1			252	0	E0	NONE		T7	TP1 TP16 TP17
2427	POTASSIUM CHLORATE, AQUEOUS SOLUTION	5.1		II		1 L	E2	P504 IBC02		T4	TP1
2427	POTASSIUM CHLORATE, AQUEOUS SOLUTION	5.1		III	223	5 L	E1	P504 IBC02		T4	TP1
2428	SODIUM CHLORATE, AQUEOUS SOLUTION	5.1		II		1 L	E2	P504 IBC02		T4	TP1
2428	SODIUM CHLORATE, AQUEOUS SOLUTION	5.1		III	223	5 L	E1	P504 IBC02		T4	TP1
2429	CALCIUM CHLORATE, AQUEOUS SOLUTION	5.1		II		1 L	E2	P504 IBC02		T4	TP1
2429	CALCIUM CHLORATE, AQUEOUS SOLUTION	5.1		III	223	5 L	E1	P504 IBC02		T4	TP1
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8		I		0	E0	P002 IBC07	B1	T6	TP33
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2430	ALKYLPHENOLS, SOLID, N.O.S. (including C2-C12 homologues)	8		III	223	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2431	ANISIDINES	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2432	N,N-DIETHYLANILINE	6.1		III	279	5 L	E1	P001 IBC03 LP01		T4	TP1
2433	CHLORONITROTOLUENES, LIQUID	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2434	DIBENZYL-DICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
2435	ETHYLPHENYL-DICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
2436	THIOACETIC ACID	3		II		1 L	E2	P001 IBC02		T4	TP1
2437	METHYLPHENYL-DICHLOROSILANE	8		II		0	E0	P010		T10	TP2 TP7 TP13
2438	TRIMETHYLACETYL CHLORIDE	6.1	3 8	I		0	E0	P001		T14	TP2 TP13
2439	SODIUM HYDROGENDIFLUORIDE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2440	STANNIC CHLORIDE PENTAHYDRATE	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2441	TITANIUM TRICHLORIDE, PYROPHORIC or TITANIUM TRICHLORIDE MIXTURE, PYROPHORIC	4.2	8	I		0	E0	P404			
2442	TRICHLOROACETYL CHLORIDE	8		II		0	E0	P001		T7	TP2
2443	VANADIUM OXYTRICHLORIDE	8		II		1 L	E0	P001 IBC02		T7	TP2
2444	VANADIUM TETRACHLORIDE	8		I		0	E0	P802		T10	TP2

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2446	NITROCRESOLS, SOLID	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2447	PHOSPHORUS, WHITE, MOLTEN	4.2	6.1	I		0	E0	NONE		T21	TP3 TP7 TP26
2448	SULPHUR, MOLTEN	4.1		III		0	E0	IBC01		T1	TP3
2451	NITROGEN TRIFLUORIDE	2.2	5.1			0	E0	P200			
2452	ETHYLACETYLENE, STABILIZED	2.1			386	0	E0	P200			
2453	ETHYL FLUORIDE (REFRIGERANT GAS R 161)	2.1				0	E0	P200			
2454	METHYL FLUORIDE (REFRIGERANT GAS R 41)	2.1				0	E0	P200			
2455	METHYL NITRITE	2.2				120 ml	E1	P200			
2456	2-CHLOROPROPENE	3		I		0	E3	P001		T11	TP2
2457	2,3-DIMETHYLBUTANE	3		II		1 L	E2	P001 IBC02		T7	TP1
2458	HEXADIENE	3		II		1 L	E2	P001 IBC02		T4	TP1
2459	2-METHYL-1-BUTENE	3		I		0	E3	P001		T11	TP2
2460	2-METHYL-2-BUTENE	3		II		1 L	E2	P001 IBC02	B8	T7	TP1
2461	METHYLPENTADIENE	3		II		1 L	E2	P001 IBC02		T4	TP1
2463	ALUMINIUM HYDRIDE	4.3		I		0	E0	P403			
2464	BERYLLIUM NITRATE	5.1	6.1	II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2465	DICHLOROISOCYANURIC ACID, DRY or DICHLOROISOCYANURIC ACID SALTS	5.1		II	135	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2466	POTASSIUM SUPEROXIDE	5.1		I		0	E0	P503 IBC06	B1		
2468	TRICHLOROISOCYANURIC ACID, DRY	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2469	ZINC BROMATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2470	PHENYLACETONITRILE, LIQUID	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2471	OSMIUM TETROXIDE	6.1		I		0	E5	P002 IBC07	PP30 B1	T6	TP33
2473	SODIUM ARSANILATE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2474	THIOPHOSGENE	6.1		I	279 354	0	E0	P602		T20	TP2 TP13 TP37
2475	VANADIUM TRICHLORIDE	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2477	METHYL ISOTHIOCYANATE	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
2478	ISOCYANATES, FLAMMABLE, TOXIC, N.O.S. or ISOCYANATE SOLUTION, FLAMMABLE, TOXIC, N.O.S.	3	6.1	III	223 274	5 L	E1	P001 IBC03		T7	TP1 TP13 TP28

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2480	METHYL ISOCYANATE	6.1	3	I	354	0	E0	P601		T22	TP2 TP13
2481	ETHYL ISOCYANATE	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
2482	n-PROPYL ISOCYANATE	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
2483	ISOPROPYL ISOCYANATE	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
2484	tert-BUTYL ISOCYANATE	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
2485	n-BUTYL ISOCYANATE	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
2486	ISOBUTYL ISOCYANATE	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
2487	PHENYL ISOCYANATE	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
2488	CYCLOHEXYL ISOCYANATE	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
2490	DICHLOROISOPROPYL ETHER	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2491	ETHANOLAMINE or ETHANOLAMINE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
2493	HEXAMETHYLENIMINE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
2495	IODINE PENTAFLUORIDE	5.1	6.1 8	I		0	E0	P200			
2496	PROPIONIC ANHYDRIDE	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2498	1,2,3,6-TETRAHYDRO- BENZALDEHYDE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2501	TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2501	TRIS-(1-AZIRIDINYL) PHOSPHINE OXIDE SOLUTION	6.1		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
2502	VALERYL CHLORIDE	8	3	II		1 L	E2	P001 IBC02		T7	TP2
2503	ZIRCONIUM TETRACHLORIDE	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2504	TETRABROMOETHANE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2505	AMMONIUM FLUORIDE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2506	AMMONIUM HYDROGEN SULPHATE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2507	CHLOROPLATINIC ACID, SOLID	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2508	MOLYBDENUM PENTACHLORIDE	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2509	POTASSIUM HYDROGEN SULPHATE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2511	2-CHLOROPROPIONIC ACID	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP2
2512	AMINOPHENOLS (o-, m-, p-)	6.1		III	279	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2513	BROMOACETYL BROMIDE	8		II		1 L	E2	P001 IBC02		T8	TP2
2514	BROMOBENZENE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2515	BROMOFORM	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2516	CARBON TETRABROMIDE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2517	1-CHLORO-1,1-DIFLUOROETHANE (REFRIGERANT GAS R 142b)	2.1				0	E0	P200		T50	
2518	1,5,9-CYCLODODECATRIENE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2520	CYCLOOCTADIENES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2521	DIKETENE, STABILIZED	6.1	3	I	354 386	0	E0	P602		T20	TP2 TP13 TP37
2522	2-DIMETHYLAMINOETHYL METHACRYLATE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2524	ETHYL ORTHOFORMATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2525	ETHYL OXALATE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2526	FURFURYLAMINE	3	8	III		5 L	E1	P001 IBC03		T4	TP1
2527	ISOBUTYL ACRYLATE, STABILIZED	3		III	386	5 L	E1	P001 IBC03 LP01		T2	TP1
2528	ISOBUTYL ISOBUTYRATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2529	ISOBUTYRIC ACID	3	8	III		5 L	E1	P001 IBC03		T4	TP1
2531	METHACRYLIC ACID, STABILIZED	8		II	386	1 L	E2	P001 IBC02 LP01		T7	TP2 TP18 TP30
2533	METHYL TRICHLOROACETATE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2534	METHYLCHLOROSILANE	2.3	2.1 8			0	E0	P200			
2535	4-METHYLMORPHOLINE (N-METHYLMORPHOLINE)	3	8	II		1 L	E2	P001 IBC02		T7	TP1
2536	METHYLTETRAHYDROFURAN	3		II		1 L	E2	P001 IBC02		T4	TP1
2538	NITRONAPHTHALENE	4.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2541	TERPINOLENE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2542	TRIBUTYLAMINE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2545	HAFNIUM POWDER, DRY	4.2		I		0	E0	P404			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2545	HAFNIUM POWDER, DRY	4.2		II		0	E2	P410 IBC06	B2	T3	TP33
2545	HAFNIUM POWDER, DRY	4.2		III	223	0	E1	P002 IBC08 LP02	B3	T1	TP33
2546	TITANIUM POWDER, DRY	4.2		I		0	E0	P404			
2546	TITANIUM POWDER, DRY	4.2		II		0	E2	P410 IBC06	B2	T3	TP33
2546	TITANIUM POWDER, DRY	4.2		III	223	0	E1	P002 IBC08 LP02	B3	T1	TP33
2547	SODIUM SUPEROXIDE	5.1		I		0	E0	P503 IBC06	B1		
2548	CHLORINE PENTAFLUORIDE	2.3	5.1 8			0	E0	P200			
2552	HEXAFLUOROACETONE HYDRATE, LIQUID	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2554	METHYLALLYL CHLORIDE	3		II		1 L	E2	P001 IBC02		T4	TP1 TP13
2555	NITROCELLULOSE WITH WATER (not less than 25% water, by mass)	4.1		II		0	E0	P406			
2556	NITROCELLULOSE WITH ALCOHOL (not less than 25% alcohol, by mass, and not more than 12.6% nitrogen, by dry mass)	4.1		II		0	E0	P406			
2557	NITROCELLULOSE, with not more than 12.6% nitrogen, by dry mass, MIXTURE WITH or WITHOUT PLASTICIZER, WITH or WITHOUT PIGMENT	4.1		II	241	0	E0	P406			
2558	EPIBROMOHYDRIN	6.1	3	I		0	E0	P001		T14	TP2 TP13
2560	2-METHYLPENTAN-2-OL	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2561	3-METHYL-1-BUTENE	3		I		0	E3	P001		T11	TP2
2564	TRICHLOROACETIC ACID SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2
2564	TRICHLOROACETIC ACID SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
2565	DICYCLOHEXYLAMINE	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2567	SODIUM PENTACHLOROPHENATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2570	CADMIUM COMPOUND	6.1		I	274	0	E5	P002 IBC07	B1	T6	TP33
2570	CADMIUM COMPOUND	6.1		II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2570	CADMIUM COMPOUND	6.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2571	ALKYLSULPHURIC ACIDS	8		II		1 L	E2	P001 IBC02		T8	TP2 TP13 TP28
2572	PHENYLHYDRAZINE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2573	THALLIUM CHLORATE	5.1	6.1	II		1 kg	E2	P002 IBC06	B2	T3	TP33
2574	TRICRESYL PHOSPHATE with more than 3% ortho isomer	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2576	PHOSPHORUS OXYBROMIDE, MOLTEN	8		II		0	E0	NONE		T7	TP3 TP13

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2577	PHENYLACETYL CHLORIDE	8		II		1 L	E2	P001 IBC02		T7	TP2
2578	PHOSPHORUS TRIOXIDE	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2579	PIPERAZINE	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2580	ALUMINIUM BROMIDE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
2581	ALUMINIUM CHLORIDE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
2582	FERRIC CHLORIDE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
2583	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with more than 5% free sulphuric acid	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2584	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with more than 5% free sulphuric acid	8		II		1 L	E2	P001 IBC02		T8	TP2 TP13
2585	ALKYLSULPHONIC ACIDS, SOLID or ARYLSULPHONIC ACIDS, SOLID with not more than 5% free sulphuric acid	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2586	ALKYLSULPHONIC ACIDS, LIQUID or ARYLSULPHONIC ACIDS, LIQUID with not more than 5% free sulphuric acid	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2587	BENZOQUINONE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1		I	61 274	0	E5	P002 IBC99		T6	TP33
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2588	PESTICIDE, SOLID, TOXIC, N.O.S.	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2589	VINYL CHLOROACETATE	6.1	3	II		100 ml	E4	P001 IBC02		T7	TP2
2590	ASBESTOS, CHRYSOTILE	9		III	168	5 kg	E1	P002 IBC08	PP37 B2, B3	T1	TP33
2591	XENON, REFRIGERATED LIQUID	2.2				120 ml	E1	P203		T75	TP5
2599	CHLOROTRIFLUOROMETHANE AND TRIFLUOROMETHANE AZEOTROPIC MIXTURE with approximately 60% chlorotrifluoromethane (REFRIGERANT GAS R 503)	2.2				120 ml	E1	P200			
2601	CYCLOBUTANE	2.1				0	E0	P200			
2602	DICHLORODIFLUOROMETHANE AND DIFLUOROETHANE AZEOTROPIC MIXTURE with approximately 74% dichlorodifluoromethane (REFRIGERANT GAS R 500)	2.2				120 ml	E1	P200		T50	
2603	CYCLOHEPTATRIENE	3	6.1	II		1 L	E2	P001 IBC02		T7	TP1 TP13
2604	BORON TRIFLUORIDE DIETHYL ETHERATE	8	3	I		0	E0	P001		T10	TP2



UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2605	METHOXYMETHYL ISOCYANATE	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
2606	METHYL ORTHOSILICATE	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
2607	ACROLEIN DIMER, STABILIZED	3		III	386	5 L	E1	P001 IBC03 LP01		T2	TP1
2608	NITROPROPANES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2609	TRIALLYL BORATE	6.1		III		5 L	E1	P001 IBC03 LP01			
2610	TRIALLYLAMINE	3	8	III		5 L	E1	P001 IBC03		T4	TP1
2611	PROPYLENE CHLOROHYDRIN	6.1	3	II		100 ml	E4	P001 IBC02		T7	TP2 TP13
2612	METHYL PROPYL ETHER	3		II		1 L	E2	P001 IBC02	B8	T7	TP2
2614	METHALLYL ALCOHOL	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2615	ETHYL PROPYL ETHER	3		II		1 L	E2	P001 IBC02		T4	TP1
2616	TRIIISOPROPYL BORATE	3		II		1 L	E2	P001 IBC02		T4	TP1
2616	TRIIISOPROPYL BORATE	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
2617	METHYLCYCLOHEXANOLS, flammable	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2618	VINYLTOLUENES, STABILIZED	3		III	386	5 L	E1	P001 IBC03 LP01		T2	TP1
2619	BENZYLDIMETHYLAMINE	8	3	II		1 L	E2	P001 IBC02		T7	TP2
2620	AMYL BUTYRATES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2621	ACETYL METHYL CARBINOL	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2622	GLYCIDALDEHYDE	3	6.1	II		1 L	E2	P001 IBC02	B8	T7	TP1
2623	FIRELIGHTERS, SOLID with flammable liquid	4.1		III		5 kg	E1	P002 LP02	PP15		
2624	MAGNESIUM SILICIDE	4.3		II		500 g	E2	P410 IBC07	B2	T3	TP33
2626	CHLORIC ACID, AQUEOUS SOLUTION with not more than 10% chloric acid	5.1		II		1 L	E0	P504 IBC02		T4	TP1
2627	NITRITES, INORGANIC, N.O.S.	5.1		II	103 274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2628	POTASSIUM FLUOROACETATE	6.1		I		0	E5	P002 IBC07	B1	T6	TP33
2629	SODIUM FLUOROACETATE	6.1		I		0	E5	P002 IBC07	B1	T6	TP33
2630	SELENATES or SELENITES	6.1		I	274	0	E5	P002 IBC07	B1	T6	TP33
2642	FLUOROACETIC ACID	6.1		I		0	E5	P002 IBC07	B1	T6	TP33
2643	METHYL BROMOACETATE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2644	METHYL IODIDE	6.1		I	354	0	E0	P602		T20	TP2 TP13 TP37
2645	PHENACYL BROMIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2646	HEXACHLOROCYCLOPENTADIENE	6.1		I	354	0	E0	P602		T20	TP2 TP13 TP35
2647	MALONONITRILE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2648	1,2-DIBROMOBUTAN-3-ONE	6.1		II		100 ml	E4	P001 IBC02			
2649	1,3-DICHLOROACETONE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2650	1,1-DICHLORO-1-NITROETHANE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2651	4,4'-DIAMINODIPHENYL-METHANE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2653	BENZYL IODIDE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2655	POTASSIUM FLUOROSILICATE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2656	QUINOLINE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2657	SELENIUM DISULPHIDE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2659	SODIUM CHLOROACETATE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2660	NITROTOLUIDINES (MONO)	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2661	HEXACHLOROACETONE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2664	DIBROMOMETHANE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2667	BUTYLTOLUENES	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2668	CHLOROACETONITRILE	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP37
2669	CHLOROCRESOLS SOLUTION	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2669	CHLOROCRESOLS SOLUTION	6.1		III	223	5 L	E1	P001 IBC03 LP01		T7	TP2
2670	CYANURIC CHLORIDE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2671	AMINOPYRIDINES (o-, m-, p,)	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
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		III		5 L	E1	P001 IBC03 LP01	B11	T7	TP1
2673	2-AMINO-4-CHLOROPHENOL	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2674	SODIUM FLUOROSILICATE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2676	STIBINE	2.3	2.1			0	E0	P200			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2677	RUBIDIUM HYDROXIDE SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2
2677	RUBIDIUM HYDROXIDE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
2678	RUBIDIUM HYDROXIDE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2679	LITHIUM HYDROXIDE SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2
2679	LITHIUM HYDROXIDE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP2
2680	LITHIUM HYDROXIDE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2681	CAESIUM HYDROXIDE SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2
2681	CAESIUM HYDROXIDE SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
2682	CAESIUM HYDROXIDE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2683	AMMONIUM SULPHIDE SOLUTION	8	3 6.1	II		1 L	E2	P001 IBC01		T7	TP2 TP13
2684	3-DIETHYLAMINOPROPYL-AMINE	3	8	III		5 L	E1	P001 IBC03		T4	TP1
2685	N,N-DIETHYLETHYLENE-DIAMINE	8	3	II		1 L	E2	P001 IBC02		T7	TP2
2686	2-DIETHYLAMINOETHANOL	8	3	II		1 L	E2	P001 IBC02		T7	TP2
2687	DICYCLOHEXYLAMMONIUM NITRITE	4.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2688	1-BROMO-3-CHLOROPROPANE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2689	GLYCEROL alpha-MONOCHLOROHYDRIN	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2690	N,n-BUTYLIMIDAZOLE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2691	PHOSPHORUS PENTABROMIDE	8		II		1 kg	E0	P002 IBC08	B2, B4	T3	TP33
2692	BORON TRIBROMIDE	8		I		0	E0	P602		T20	TP2 TP13
2693	BISULPHITES, AQUEOUS SOLUTION, N.O.S.	8		III	274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
2698	TETRAHYDROPHTHALIC ANHYDRIDES with more than 0.05% of maleic anhydride	8		III	29 169	5 kg	E1	P002 IBC08 LP02	PP14 B3	T1	TP33
2699	TRIFLUOROACETIC ACID	8		I		0	E0	P001		T10	TP2
2705	1-PENTOL	8		II		1 L	E2	P001 IBC02		T7	TP2
2707	DIMETHYLDIOXANES	3		II		1 L	E2	P001 IBC02		T4	TP1
2707	DIMETHYLDIOXANES	3		III	223	5 L	E1	P001 IBC03 LP01		T2	TP1
2709	BUTYLBENZENES	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2710	DIPROPYL KETONE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2713	ACRIDINE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2714	ZINC RESINATE	4.1		III		5 kg	E1	P002 IBC06		T1	TP33
2715	ALUMINIUM RESINATE	4.1		III		5 kg	E1	P002 IBC06		T1	TP33
2716	1,4-BUTYNEEDIOL	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2717	CAMPHOR, synthetic	4.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2719	BARIUM BROMATE	5.1	6.1	II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2720	CHROMIUM NITRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2721	COPPER CHLORATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2722	LITHIUM NITRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2723	MAGNESIUM CHLORATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2724	MANGANESE NITRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2725	NICKEL NITRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2726	NICKEL NITRITE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2727	THALLIUM NITRATE	6.1	5.1	II		500 g	E4	P002 IBC06	B2	T3	TP33
2728	ZIRCONIUM NITRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2729	HEXACHLOROBENZENE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2730	NITROANISOLE, LIQUID	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2732	NITROBROMOBENZENES, LIQUID	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	8	I	274	0	E0	P001		T14	TP1 TP27
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	8	II	274	1 L	E2	P001 IBC02		T11	TP1 TP27
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S.	3	8	III	223 274	5 L	E1	P001 IBC03		T7	TP1 TP28
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	3	I	274	0	E0	P001		T14	TP2 TP27

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	8	3	II	274	1 L	E2	P001 IBC02		T11	TP2 TP27
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8		I	274	0	E0	P001		T14	TP2 TP27
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8		II	274	1 L	E2	P001 IBC02		T11	TP1 TP27
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
2738	N-BUTYLANILINE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2739	BUTYRIC ANHYDRIDE	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2740	n-PROPYL CHLOROFORMATE	6.1	3 8	I		0	E0	P602		T20	TP2 TP13
2741	BARIUM HYPOCHLORITE with more than 22% available chlorine	5.1	6.1	II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2742	CHLOROFORMATES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1	3 8	II	274	100 ml	E4	P001 IBC01			
2743	n-BUTYL CHLOROFORMATE	6.1	3 8	II		100 ml	E0	P001		T20	TP2 TP13
2744	CYCLOBUTYL CHLOROFORMATE	6.1	3 8	II		100 ml	E4	P001 IBC01		T7	TP2 TP13
2745	CHLOROMETHYL CHLOROFORMATE	6.1	8	II		100 ml	E4	P001 IBC02		T7	TP2 TP13
2746	PHENYL CHLOROFORMATE	6.1	8	II		100 ml	E4	P001 IBC02		T7	TP2 TP13
2747	tert-BUTYLCYCLOHEXYL CHLOROFORMATE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2748	2-ETHYLHEXYL CHLOROFORMATE	6.1	8	II		100 ml	E4	P001 IBC02		T7	TP2 TP13
2749	TETRAMETHYLSILANE	3		I		0	E0	P001		T14	TP2
2750	1,3-DICHLOROPROPANOL-2	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2751	DIETHYLTHIOPHOSPHORYL CHLORIDE	8		II		1 L	E2	P001 IBC02		T7	TP2
2752	1,2-EPOXY-3-ETHOXYPROPANE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2753	N-ETHYLBENZYL TOLUIDINES, LIQUID	6.1		III		5 L	E1	P001 IBC03 LP01		T7	TP1
2754	N-ETHYL TOLUIDINES	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2757	CARBAMATE PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2758	CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27

UN No.	Name and description	Class or division	Subsidiary hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2758	CARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2759	ARSENICAL PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2760	ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
2760	ARSENICAL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2761	ORGANOCHLORINE PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2762	ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
2762	ORGANOCHLORINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2763	TRIAZINE PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08	B3	T1	TP33
2764	TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
2764	TRIAZINE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2771	THIOCARBAMATE PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2772	THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
2772	THIOCARBAMATE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
2775	COPPER BASED PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
2775	COPPER BASED PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2775	COPPER BASED PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2776	COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
2776	COPPER BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2777	MERCURY BASED PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2778	MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
2778	MERCURY BASED PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2779	SUBSTITUTED NITROPHENOL PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2780	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
2780	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
2781	BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
2781	BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2781	BIPYRIDILIUM PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2782	BIPYRIDILIUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
2782	BIPYRIDILIUM PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2783	ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2784	ORGANOPHOSPHORUS PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
2784	ORGANOPHOSPHORUS PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2785	4-THIAPENTANAL	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2786	ORGANOTIN PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
2786	ORGANOTIN PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2786	ORGANOTIN PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2787	ORGANOTIN PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
2787	ORGANOTIN PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1		I	43 274	0	E5	P001		T14	TP2 TP13 TP27
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1		II	43 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
2788	ORGANOTIN COMPOUND, LIQUID, N.O.S.	6.1		III	43 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
2789	ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION, more than 80% acid, by mass	8	3	II		1 L	E2	P001 IBC02		T7	TP2
2790	ACETIC ACID SOLUTION, not less than 50% but not more than 80% acid, by mass	8		II		1 L	E2	P001 IBC02		T7	TP2
2790	ACETIC ACID SOLUTION, more than 10% and less than 50% acid, by mass	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2793	FERROUS METAL BORINGS, SHAVINGS, TURNINGS or CUTTINGS in a form liable to self-heating	4.2		III	223	0	E1	P003 IBC08 LP02	PP20 B3, B6	<u>-BK2</u>	
2794	BATTERIES, WET, FILLED WITH ACID, electric storage	8			295	1 L	E0	P801			
2795	BATTERIES, WET, FILLED WITH ALKALI, electric storage	8			295	1 L	E0	P801			
2796	SULPHURIC ACID with not more than 51% acid or BATTERY FLUID, ACID	8		II		1 L	E2	P001 IBC02		T8	TP2
2797	BATTERY FLUID, ALKALI	8		II		1 L	E2	P001 IBC02		T7	TP2 TP28
2798	PHENYLPHOSPHORUS DICHLORIDE	8		II		1 L	E0	P001 IBC02		T7	TP2 TP28
2799	PHENYLPHOSPHORUS THIODICHLORIDE	8		II		1 L	E0	P001 IBC02		T7	TP2
2800	BATTERIES, WET, NON-SPILLABLE, electric storage	8			238	1 L	E0	P003	PP16		
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8		I	274	0	E0	P001		T14	TP2 TP27
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8		II	274	1 L	E2	P001 IBC02		T11	TP2 TP27
2801	DYE, LIQUID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, LIQUID, CORROSIVE, N.O.S.	8		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28



UN No.	Name and description	Class or division	Subsidiary hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2802	COPPER CHLORIDE	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2803	GALLIUM	8		III		5 kg	E0	P800	PP41	T1	TP33
2805	LITHIUM HYDRIDE, FUSED SOLID	4.3		II		500 g	E2	P410 IBC04		T3	TP33
2806	LITHIUM NITRIDE	4.3		I		0	E0	P403 IBC04	B1		
2807	MAGNETIZED MATERIAL	9		III	106		E0				
2809	MERCURY	8	6.1	III	365	5 kg	E0	P800			
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1		I	274 315	0	E5	P001		T14	TP2 TP13 TP27
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1		II	274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
2810	TOXIC LIQUID, ORGANIC, N.O.S.	6.1		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1		I	274	0	E5	P002 IBC99		T6	TP33
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1		II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2811	TOXIC SOLID, ORGANIC, N.O.S.	6.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2812	SODIUM ALUMINATE, SOLID	8		III	106	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2813	WATER-REACTIVE SOLID, N.O.S.	4.3		I	274	0	E0	P403 IBC99		T9	TP7 TP33
2813	WATER-REACTIVE SOLID, N.O.S.	4.3		II	274	500 g	E2	P410 IBC07	B2	T3	TP33
2813	WATER-REACTIVE SOLID, N.O.S.	4.3		III	223 274	1 kg	E1	P410 IBC08	B4	T1	TP33
2814	INFECTIOUS SUBSTANCE, AFFECTING HUMANS	6.2			318 341	0	E0	P620		BK1 BK2	
2815	N-AMINOETHYLPIPERAZINE	8	6.1	III		5 L	E1	P001 IBC03 LP01		T4	TP1
2817	AMMONIUM HYDROGEN-DIFLUORIDE SOLUTION	8	6.1	II		1 L	E2	P001 IBC02		T8	TP2 TP13
2817	AMMONIUM HYDROGEN-DIFLUORIDE SOLUTION	8	6.1	III	223	5 L	E1	P001 IBC03		T4	TP1 TP13
2818	AMMONIUM POLYSULPHIDE SOLUTION	8	6.1	II		1 L	E2	P001 IBC02		T7	TP2 TP13
2818	AMMONIUM POLYSULPHIDE SOLUTION	8	6.1	III	223	5 L	E1	P001 IBC03		T4	TP1 TP13
2819	AMYL ACID PHOSPHATE	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2820	BUTYRIC ACID	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2821	PHENOL SOLUTION	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2821	PHENOL SOLUTION	6.1		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
2822	2-CHLOROPYRIDINE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2823	CROTONIC ACID, SOLID	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2826	ETHYL CHLOROTHIOFORMATE	8	3	II		0	E0	P001		T7	TP2
2829	CAPROIC ACID	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2830	LITHIUM FERROSILICON	4.3		II		500 g	E2	P410 IBC07	B2	T3	TP33
2831	1,1,1-TRICHLOROETHANE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2834	PHOSPHOROUS ACID	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2835	SODIUM ALUMINIUM HYDRIDE	4.3		II		500 g	E0	P410 IBC04		T3	TP33
2837	BISULPHATES, AQUEOUS SOLUTION	8		II		1 L	E2	P001 IBC02		T7	TP2
2837	BISULPHATES, AQUEOUS SOLUTION	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
2838	VINYL BUTYRATE, STABILIZED	3		II	386	1 L	E2	P001 IBC02		T4	TP1
2839	ALDOL	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2840	BUTYRALDOXIME	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2841	DI-n-AMYLAMINE	3	6.1	III		5 L	E1	P001 IBC03		T4	TP1
2842	NITROETHANE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2844	CALCIUM MANGANESE SILICON	4.3		III		1 kg	E1	P410 IBC08	B4	T1	TP33
2845	PYROPHORIC LIQUID, ORGANIC, N.O.S.	4.2		I	274	0	E0	P400		T22	TP2 TP7
2846	PYROPHORIC SOLID, ORGANIC, N.O.S.	4.2		I	274	0	E0	P404			
2849	3-CHLORO-PROPANOL-1	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2850	PROPYLENE TETRAMER	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2851	BORON TRIFLUORIDE DIHYDRATE	8		II		1 L	E2	P001 IBC02		T7	TP2
2852	DIPICRYL SULPHIDE, WETTED with not less than 10% water, by mass	4.1		I	28	0	E0	P406	PP24		
2853	MAGNESIUM FLUOROSILICATE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2854	AMMONIUM FLUOROSILICATE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2855	ZINC FLUOROSILICATE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2856	FLUOROSILICATES, N.O.S.	6.1		III	274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2857	REFRIGERATING MACHINES containing non-flammable, non-toxic, gases or ammonia solutions (UN 2672)	2.2			119	0	E0	P003	PP32		

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2858	ZIRCONIUM, DRY, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	4.1		III		5 kg	E1	P002 LP02			
2859	AMMONIUM METAVANADATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2861	AMMONIUM POLYVANADATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2862	VANADIUM PENTOXIDE, non-fused form	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2863	SODIUM AMMONIUM VANADATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2864	POTASSIUM METAVANADATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2865	HYDROXYLAMINE SULPHATE	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2869	TITANIUM TRICHLORIDE MIXTURE	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2869	TITANIUM TRICHLORIDE MIXTURE	8		III	223	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2870	ALUMINIUM BOROHYDRIDE	4.2	4.3	I		0	E0	P400		T21	TP7 TP33
2870	ALUMINIUM BOROHYDRIDE IN DEVICES	4.2	4.3	I		0	E0	P002	PP13		
2871	ANTIMONY POWDER	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2872	DIBROMOCHLOROPROPANES	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2872	DIBROMOCHLOROPROPANES	6.1		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
2873	DIBUTYLAMINOETHANOL	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2874	FURFURYL ALCOHOL	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2875	HEXACHLOROPHENE	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2876	RESORCINOL	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2878	TITANIUM SPONGE GRANULES or TITANIUM SPONGE POWDERS	4.1		III	223	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2879	SELENIUM OXYCHLORIDE	8	6.1	I		0	E0	P001		T10	TP2 TP13
2880	CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, with not less than 5.5% but not more than 16% water	5.1		II	314 322	1 kg	E2	P002 IBC08	PP85 B2, B4, B13		
2880	CALCIUM HYPOCHLORITE, HYDRATED or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, with not less than 5.5% but not more than 16% water	5.1		III	223 314	5 kg	E1	P002 IBC08	PP85 B4, B13		
2881	METAL CATALYST, DRY	4.2		I	274	0	E0	P404		T21	TP7 TP33
2881	METAL CATALYST, DRY	4.2		II	274	0	E0	P410 IBC06	B2	T3	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2881	METAL CATALYST, DRY	4.2		III	223 274	0	E1	P002 IBC08 LP02	B3	T1	TP33
2900	INFECTIOUS SUBSTANCE, AFFECTING ANIMALS only	6.2			318 341	0	E0	P620		BK1 BK2	
2901	BROMINE CHLORIDE	2.3	5.1 8			0	E0	P200			
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
2902	PESTICIDE, LIQUID, TOXIC, N.O.S.	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
2903	PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2
2904	CHLOROPHENOLATES, LIQUID or PHENOLATES, LIQUID	8		III		5 L	E1	P001 IBC03 LP01			
2905	CHLOROPHENOLATES, SOLID or PHENOLATES, SOLID	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2907	ISOSORBIDE DINITRATE MIXTURE with not less than 60% lactose, mannose, starch or calcium hydrogen phosphate	4.1		II	127	0	E0	P406 IBC06	PP26 PP80 B2, B12		
2908	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - EMPTY PACKAGING	7			290 <a href="#">368</a>	0	E0	See Chapter 1.5			
2909	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - ARTICLES MANUFACTURED FROM NATURAL URANIUM or DEPLETED URANIUM or NATURAL THORIUM	7			290	0	E0	See Chapter 1.5			
2910	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - LIMITED QUANTITY OF MATERIAL	7			290 368	0	E0	See Chapter 1.5			
2911	RADIOACTIVE MATERIAL, EXCEPTED PACKAGE - INSTRUMENTS or ARTICLES	7			290	0	E0	See Chapter 1.5			
2912	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-I), non-fissile or fissile-excepted	7			172 317 325	0	E0	See Chapter 2.7 and section 4.1.9			T5 TP4
2913	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), non-fissile or fissile-excepted	7			172 317 <a href="#">325</a> <a href="#">336</a>	0	E0	See Chapter 2.7 and section 4.1.9			T5 TP4
2915	RADIOACTIVE MATERIAL, TYPE A PACKAGE, non-special form, non-fissile or fissile-excepted	7			172 317 325	0	E0	See Chapter 2.7 and section 4.1.9			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2916	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, non-fissile or fissile-excepted	7			172 317 325 337	0	E0	See Chapter 2.7 and section 4.1.9			
2917	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, non-fissile or fissile-excepted	7			172 317 325 337	0	E0	See Chapter 2.7 and section 4.1.9			
2919	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, non-fissile or fissile-excepted	7			172 317 325	0	E0	See Chapter 2.7 and section 4.1.9			
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	3	I	274	0	E0	P001		T14	TP2 TP27
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S.	8	3	II	274	1 L	E2	P001 IBC02		T11	TP2 TP27
2921	CORROSIVE SOLID, FLAMMABLE, N.O.S.	8	4.1	I	274	0	E0	P002 IBC99		T6	TP33
2921	CORROSIVE SOLID, FLAMMABLE, N.O.S.	8	4.1	II	274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	6.1	I	274	0	E0	P001		T14	TP2 TP13 TP27
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	6.1	II	274	1 L	E2	P001 IBC02		T7	TP2
2922	CORROSIVE LIQUID, TOXIC, N.O.S.	8	6.1	III	223 274	5 L	E1	P001 IBC03		T7	TP1 TP28
2923	CORROSIVE SOLID, TOXIC, N.O.S.	8	6.1	I	274	0	E0	P002 IBC99		T6	TP33
2923	CORROSIVE SOLID, TOXIC, N.O.S.	8	6.1	II	274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2923	CORROSIVE SOLID, TOXIC, N.O.S.	8	6.1	III	223 274	5 kg	E1	P002 IBC08	B3	T1	TP33
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	8	I	274	0	E0	P001		T14	TP2
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	8	II	274	1 L	E2	P001 IBC02		T11	TP2 TP27
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	8	III	223 274	5 L	E1	P001 IBC03		T7	TP1 TP28
2925	FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.	4.1	8	II	274	1 kg	E2	P002 IBC06	B2	T3	TP33
2925	FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.	4.1	8	III	223 274	5 kg	E1	P002 IBC06		T1	TP33
2926	FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.	4.1	6.1	II	274	1 kg	E2	P002 IBC06	B2	T3	TP33
2926	FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.	4.1	6.1	III	223 274	5 kg	E1	P002 IBC06		T1	TP33
2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1	8	I	274 315	0	E5	P001		T14	TP2 TP13 TP27
2927	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.	6.1	8	II	274	100 ml	E4	P001 IBC02		T11	TP2 TP27
2928	TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	6.1	8	I	274	0	E5	P002 IBC99		T6	TP33
2928	TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	6.1	8	II	274	500 g	E4	P002 IBC06	B2	T3	TP33
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	3	I	274 315	0	E5	P001		T14	TP2 TP13 TP27
2929	TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S.	6.1	3	II	274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2930	TOXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.	6.1	4.1	I	274	0	E5	P002 IBC99		T6	TP33
2930	TOXIC SOLID, FLAMMABLE, ORGANIC, N.O.S.	6.1	4.1	II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
2931	VANADYL SULPHATE	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
2933	METHYL 2-CHLORO-PROPIONATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2934	ISOPROPYL 2-CHLORO-PROPIONATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2935	ETHYL 2-CHLOROPROPIONATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2936	THIOLACTIC ACID	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2937	alpha-METHYLBENZYL ALCOHOL, LIQUID	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2940	9-PHOSPHABICYCLONONANES (CYCLOOCTADIENE PHOSPHINES)	4.2		II		0	E2	P410 IBC06	B2	T3	TP33
2941	FLUOROANILINES	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2942	2-TRIFLUOROMETHYLANILINE	6.1		III		5 L	E1	P001 IBC03 LP01			
2943	TETRAHYDROFURFURYL-AMINE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2945	N-METHYLBUTYLAMINE	3	8	II		1 L	E2	P001 IBC02		T7	TP1
2946	2-AMINO-5-DIETHYLAMINO-PENTANE	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
2947	ISOPROPYL CHLOROACETATE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
2948	3-TRIFLUOROMETHYL-ANILINE	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2949	SODIUM HYDROSULPHIDE, HYDRATED with not less than 25% water of crystallization	8		II		1 kg	E2	P002 IBC08	B2, B4	T7	TP2
2950	MAGNESIUM GRANULES, COATED, particle size not less than 149 microns	4.3		III		1 kg	E1	P410 IBC08	B4	T1 BK2	TP33
2956	5-tert-BUTYL-2,4,6-TRINITRO-m-XYLENE (MUSK XYLENE)	4.1		III	132 133	5 kg	E0	P409			
2965	BORON TRIFLUORIDE DIMETHYL ETHERATE	4.3	3 8	I		0	E0	P401		T10	TP2 TP7 TP13
2966	THIOGLYCOL	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
2967	SULPHAMIC ACID	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2968	MANEB, STABILIZED or MANEB PREPARATION, STABILIZED against self-heating	4.3		III	223	1 kg	E1	P002 IBC08	B4	T1	TP33
2969	CASTOR BEANS or CASTOR MEAL or CASTOR POMACE or CASTOR FLAKE	9		II	141	5 kg	E2	P002 IBC08	PP34 B2, B4	T3 BK1 BK2	TP33

UN No.	Name and description	Class or division	Subsidiary hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2977	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, FISSILE	7	6.1 8			0	E0	See Chapter 2.7 and section 4.1.9			
2978	RADIOACTIVE MATERIAL, URANIUM HEXAFLUORIDE, non-fissile or fissile-excepted	7	6.1 8		317	0	E0	See Chapter 2.7 and section 4.1.9			
2983	ETHYLENE OXIDE AND PROPYLENE OXIDE MIXTURE, not more than 30% ethylene oxide	3	6.1	I		0	E0	P001		T14	TP2 TP7 TP13
2984	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 8% but less than 20% hydrogen peroxide (stabilized as necessary)	5.1		III	65	5 L	E1	P504 IBC02	B5	T4	TP1 TP6 TP24
2985	CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.	3	8	II		0	E0	P010		T14	TP2 TP7 TP13 TP27
2986	CHLOROSILANES, CORROSIVE, FLAMMABLE, N.O.S.	8	3	II		0	E0	P010		T14	TP2 TP7 TP13 TP27
2987	CHLOROSILANES, CORROSIVE, N.O.S.	8		II		0	E0	P010		T14	TP2 TP7 TP13 TP27
2988	CHLOROSILANES, WATER-REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.	4.3	3 8	I		0	E0	P401		T14	TP2 TP7 TP13
2989	LEAD PHOSPHITE, DIBASIC	4.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
2989	LEAD PHOSPHITE, DIBASIC	4.1		III	223	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
2990	LIFE-SAVING APPLIANCES, SELF-INFLATING	9			296	0	E0	P905			
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
2991	CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2 TP28
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
2992	CARBAMATE PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
2993	ARSENICAL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2 TP28

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
2994	ARSENICAL PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
2995	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2 TP28
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
2996	ORGANOCHLORINE PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
2997	TRIAZINE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2 TP28
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
2998	TRIAZINE PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3005	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2 TP28
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3006	THIOCARBAMATE PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27



UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3009	COPPER BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2 TP28
3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3010	COPPER BASED PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3011	MERCURY BASED PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2 TP28
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3012	MERCURY BASED PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3013	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2 TP28
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3014	SUBSTITUTED NITROPHENOL PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
3015	BIPYRIDILUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3015	BIPYRIDILUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3015	BIPYRIDILUM PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2 TP28
3016	BIPYRIDILUM PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3016	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3016	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3017	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2 TP28
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3018	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3019	ORGANOTIN PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2 TP28
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3020	ORGANOTIN PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
3021	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
3021	PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S., flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
3022	1,2-BUTYLENE OXIDE, STABILIZED	3		II	386	1 L	E2	P001 IBC02		T4	TP1
3023	2-METHYL-2-HEPTANETHIOL	6.1	3	I	354	0	E0	P602		T20	TP2 TP13 TP35
3024	COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
3024	COUMARIN DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3025	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP1 TP28
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP27
3026	COUMARIN DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3027	COUMARIN DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3028	BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID, electric storage	8			295 304	2 kg	E0	P801			
3048	ALUMINIUM PHOSPHIDE PESTICIDE	6.1		I	153	0	E0	P002 IBC07	B1	T6	TP33
3054	CYCLOHEXYL MERCAPTAN	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
3055	2-(2-AMINOETHOXY)ETHANOL	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
3056	n-HEPTALDEHYDE	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
3057	TRIFLUOROACETYL CHLORIDE	2.3	8			0	E0	P200		T50	TP21
3064	NITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin	3		II	359	0	E0	P300			
3065	ALCOHOLIC BEVERAGES, with more than 70% alcohol by volume	3		II	146	5 L	E2	P001 IBC02	PP2	T4	TP1
3065	ALCOHOLIC BEVERAGES, with more than 24% but not more than 70% alcohol by volume	3		III	144 145 247	5 L	E1	P001 IBC03	PP2	T2	TP1
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	8		II	163 367	1 L	E2	P001 IBC02		T7	TP2 TP28
3066	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	8		III	163 223 367	5 L	E1	P001 IBC03		T4	TP1 TP29

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3070	ETHYLENE OXIDE AND DICHLORODIFLUOROMETHANE MIXTURE with not more than 12.5% ethylene oxide	2.2				120 ml	E1	P200		T50	
3071	MERCAPTANS, LIQUID, TOXIC, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, TOXIC, FLAMMABLE, N.O.S.	6.1	3	II	274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3072	LIFE-SAVING APPLIANCES NOT SELF-INFLATING containing dangerous goods as equipment	9			296	0	E0	P905			
3073	VINYLPYRIDINES, STABILIZED	6.1	3 8	II	386	100 ml	E4	P001 IBC01		T7	TP2 TP13
3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	9		III	274 331 335 375	5 kg	E1	P002 IBC08 LP02	PP12 B3	T1 BK2 BK3	TP33
3078	CERIUM, turnings or gritty powder	4.3		II		500 g	E2	P410 IBC07	B2	T3	TP33
3079	METHACRYLONITRILE, STABILIZED	6.1	3	I	354 386	0	E0	P602		T20	TP2 TP13 TP37
3080	ISOCYANATES, TOXIC, FLAMMABLE, N.O.S. or ISOCYANATE SOLUTION, TOXIC, FLAMMABLE, N.O.S.	6.1	3	II	274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9		III	274 331 335 375	5 L	E1	P001 IBC03 LP01	PP1	T4	TP1 TP29
3083	PERCHLORYL FLUORIDE	2.3	5.1			0	E0	P200			
3084	CORROSIVE SOLID, OXIDIZING, N.O.S.	8	5.1	I	274	0	E0	P002		T6	TP33
3084	CORROSIVE SOLID, OXIDIZING, N.O.S.	8	5.1	II	274	1 kg	E2	P002 IBC06	B2	T3	TP33
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	8	I	274	0	E0	P503			
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	8	II	274	1 kg	E2	P002 IBC06	B2	T3	TP33
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	8	III	223 274	5 kg	E1	P002 IBC08	B3	T1	TP33
3086	TOXIC SOLID, OXIDIZING, N.O.S.	6.1	5.1	I	274	0	E5	P002		T6	TP33
3086	TOXIC SOLID, OXIDIZING, N.O.S.	6.1	5.1	II	274	500 g	E4	P002 IBC06	B2	T3	TP33
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	6.1	I	274	0	E0	P503			
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	6.1	II	274	1 kg	E2	P002 IBC06	B2	T3	TP33
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	6.1	III	223 274	5 kg	E1	P002 IBC08	B3	T1	TP33
3088	SELF-HEATING SOLID, ORGANIC, N.O.S.	4.2		II	274	0	E2	P410 IBC06	B2	T3	TP33
3088	SELF-HEATING SOLID, ORGANIC, N.O.S.	4.2		III	223 274	0	E1	P002 IBC08 LP02	B3	T1	TP33
3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
3089	METAL POWDER, FLAMMABLE, N.O.S.	4.1		III	223	5 kg	E1	P002 IBC08	B2, B4	T1	TP33

UN No.	Name and description	Class or division	Subsidiary hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3090	LITHIUM METAL BATTERIES (including lithium alloy batteries)	9			188 230 310 376 377 384 387	0	E0	P903 P908 P909 P910 LP903 LP904			
3091	LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT or LITHIUM METAL BATTERIES PACKED WITH EQUIPMENT (including lithium alloy batteries)	9			188 230 310 360 376 377 384 387	0	E0	P903 P908 P909 P910 LP903 LP904			
3092	1-METHOXY-2-PROPANOL	3		III		5 L	E1	P001 IBC03 LP01		T2	TP1
3093	CORROSIVE LIQUID, OXIDIZING, N.O.S.	8	5.1	I	274	0	E0	P001			
3093	CORROSIVE LIQUID, OXIDIZING, N.O.S.	8	5.1	II	274	1 L	E2	P001 IBC02			
3094	CORROSIVE LIQUID, WATER-REACTIVE, N.O.S.	8	4.3	I	274	0	E0	P001			
3094	CORROSIVE LIQUID, WATER-REACTIVE, N.O.S.	8	4.3	II	274	1 L	E2	P001			
3095	CORROSIVE SOLID, SELF-HEATING, N.O.S.	8	4.2	I	274	0	E0	P002		T6	TP33
3095	CORROSIVE SOLID, SELF-HEATING, N.O.S.	8	4.2	II	274	1 kg	E2	P002 IBC06	B2	T3	TP33
3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.	8	4.3	I	274	0	E0	P002		T6	TP33
3096	CORROSIVE SOLID, WATER-REACTIVE, N.O.S.	8	4.3	II	274	1 kg	E2	P002 IBC06	B2	T3	TP33
3097	FLAMMABLE SOLID, OXIDIZING, N.O.S.	4.1	5.1	II	274	1 kg	E0	P099			
3097	FLAMMABLE SOLID, OXIDIZING, N.O.S.	4.1	5.1	III	223 274	5 kg	E0	P099		T1	TP33
3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	8	I	274	0	E0	P502			
3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	8	II	274	1 L	E2	P504 IBC01			
3098	OXIDIZING LIQUID, CORROSIVE, N.O.S.	5.1	8	III	223 274	5 L	E1	P504 IBC02			
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	6.1	I	274	0	E0	P502			
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	6.1	II	274	1 L	E2	P504 IBC01			
3099	OXIDIZING LIQUID, TOXIC, N.O.S.	5.1	6.1	III	223 274	5 L	E1	P504 IBC02			
3100	OXIDIZING SOLID, SELF-HEATING, N.O.S.	5.1	4.2	I	274	0	E0	P099			
3100	OXIDIZING SOLID, SELF-HEATING, N.O.S.	5.1	4.2	II	274	0	E0	P099			
3101	ORGANIC PEROXIDE TYPE B, LIQUID	5.2			122 181 195 274 323	25 ml	E0	P520			

UN No.	Name and description	Class or division	Subsidiary hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3102	ORGANIC PEROXIDE TYPE B, SOLID	5.2			122 181 195 274 323	100 g	E0	P520			
3103	ORGANIC PEROXIDE TYPE C, LIQUID	5.2			122 195 274 323	25 ml	E0	P520			
3104	ORGANIC PEROXIDE TYPE C, SOLID	5.2			122 195 274 323	100 g	E0	P520			
3105	ORGANIC PEROXIDE TYPE D, LIQUID	5.2			122 274 323	125 ml	E0	P520			
3106	ORGANIC PEROXIDE TYPE D, SOLID	5.2			122 274 323	500 g	E0	P520			
3107	ORGANIC PEROXIDE TYPE E, LIQUID	5.2			122 274 323	125 ml	E0	P520			
3108	ORGANIC PEROXIDE TYPE E, SOLID	5.2			122 274 323	500 g	E0	P520			
3109	ORGANIC PEROXIDE TYPE F, LIQUID	5.2			122 274 323	125 ml	E0	P520 IBC520		T23	
3110	ORGANIC PEROXIDE TYPE F, SOLID	5.2			122 274 323	500 g	E0	P520 IBC520		T23	TP33
3111	ORGANIC PEROXIDE TYPE B, LIQUID, TEMPERATURE CONTROLLED	5.2			122 181 195 274 323	0	E0	P520			
3112	ORGANIC PEROXIDE TYPE B, SOLID, TEMPERATURE CONTROLLED	5.2			122 181 195 274 323	0	E0	P520			
3113	ORGANIC PEROXIDE TYPE C, LIQUID, TEMPERATURE CONTROLLED	5.2			122 195 274 323	0	E0	P520			
3114	ORGANIC PEROXIDE TYPE C, SOLID, TEMPERATURE CONTROLLED	5.2			122 195 274 323	0	E0	P520			
3115	ORGANIC PEROXIDE TYPE D, LIQUID, TEMPERATURE CONTROLLED	5.2			122 274 323	0	E0	P520			
3116	ORGANIC PEROXIDE TYPE D, SOLID, TEMPERATURE CONTROLLED	5.2			122 274 323	0	E0	P520			
3117	ORGANIC PEROXIDE TYPE E, LIQUID, TEMPERATURE CONTROLLED	5.2			122 274 323	0	E0	P520			
3118	ORGANIC PEROXIDE TYPE E, SOLID, TEMPERATURE CONTROLLED	5.2			122 274 323	0	E0	P520			
3119	ORGANIC PEROXIDE TYPE F, LIQUID, TEMPERATURE CONTROLLED	5.2			122 274 323	0	E0	P520 IBC520		T23	
3120	ORGANIC PEROXIDE TYPE F, SOLID, TEMPERATURE CONTROLLED	5.2			122 274 323	0	E0	P520 IBC520		T23	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3121	OXIDIZING SOLID, WATER-REACTIVE, N.O.S.	5.1	4.3	I	274	0	E0	P099			
3121	OXIDIZING SOLID, WATER-REACTIVE, N.O.S.	5.1	4.3	II	274	1 kg	E0	P099			
3122	TOXIC LIQUID, OXIDIZING, N.O.S.	6.1	5.1	I	274 315	0	E0	P001			
3122	TOXIC LIQUID, OXIDIZING, N.O.S.	6.1	5.1	II	274	100 ml	E4	P001 IBC02			
3123	TOXIC LIQUID, WATER-REACTIVE, N.O.S.	6.1	4.3	I	274 315	0	E0	P099			
3123	TOXIC LIQUID, WATER-REACTIVE, N.O.S.	6.1	4.3	II	274	100 ml	E4	P001 IBC02			
3124	TOXIC SOLID, SELF-HEATING, N.O.S.	6.1	4.2	I	274	0	E5	P002		T6	TP33
3124	TOXIC SOLID, SELF-HEATING, N.O.S.	6.1	4.2	II	274	0	E4	P002 IBC06	B2	T3	TP33
3125	TOXIC SOLID, WATER-REACTIVE, N.O.S.	6.1	4.3	I	274	0	E5	P099		T6	TP33
3125	TOXIC SOLID, WATER-REACTIVE, N.O.S.	6.1	4.3	II	274	500 g	E4	P002 IBC06	B2	T3	TP33
3126	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	4.2	8	II	274	0	E2	P410 IBC05	B2	T3	TP33
3126	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	4.2	8	III	223 274	0	E1	P002 IBC08	B3	T1	TP33
3127	SELF-HEATING SOLID, OXIDIZING, N.O.S.	4.2	5.1	II	274	0	E0	P099		T3	TP33
3127	SELF-HEATING SOLID, OXIDIZING, N.O.S.	4.2	5.1	III	223 274	0	E0	P099		T1	TP33
3128	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	4.2	6.1	II	274	0	E2	P410 IBC05	B2	T3	TP33
3128	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	4.2	6.1	III	223 274	0	E1	P002 IBC08	B3	T1	TP33
3129	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3	8	I	274	0	E0	P402		T14	TP2 TP7 TP13
3129	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3	8	II	274	500 ml	E0	P402 IBC01		T11	TP2 TP7
3129	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.	4.3	8	III	223 274	1 L	E1	P001 IBC02		T7	TP2 TP7
3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.	4.3	6.1	I	274	0	E0	P402			
3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.	4.3	6.1	II	274	500 ml	E0	P402 IBC01			
3130	WATER-REACTIVE LIQUID, TOXIC, N.O.S.	4.3	6.1	III	223 274	1 L	E1	P001 IBC02			
3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3	8	I	274	0	E0	P403		T9	TP7 TP33
3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3	8	II	274	500 g	E2	P410 IBC06	B2	T3	TP33
3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3	8	III	223 274	1 kg	E1	P410 IBC08	B4	T1	TP33
3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	4.1	I	274	0	E0	P403 IBC99			
3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	4.1	II	274	500 g	E2	P410 IBC04		T3	TP33
3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	4.1	III	223 274	1 kg	E1	P410 IBC06		T1	TP33
3133	WATER-REACTIVE SOLID, OXIDIZING, N.O.S.	4.3	5.1	II	274	500 g	E0	P099			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3133	WATER-REACTIVE SOLID, OXIDIZING, N.O.S.	4.3	5.1	III	223 274	1 kg	E0	P099			
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	6.1	I	274	0	E0	P403			
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	6.1	II	274	500 g	E2	P410 IBC05	B2	T3	TP33
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	6.1	III	223 274	1 kg	E1	P410 IBC08	B4	T1	TP33
3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	4.2	I	274	0	E0	P403			
3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	4.2	II	274	0	E2	P410 IBC05	B2	T3	TP33
3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	4.2	III	223 274	0	E1	P410 IBC08	B4	T1	TP33
3136	TRIFLUOROMETHANE, REFRIGERATED LIQUID	2.2				120 ml	E1	P203		T75	TP5
3137	OXIDIZING SOLID, FLAMMABLE, N.O.S.	5.1	4.1	I	274	0	E0	P099			
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	2.1				0	E0	P203		T75	TP5
3139	OXIDIZING LIQUID, N.O.S.	5.1		I	274	0	E0	P502			
3139	OXIDIZING LIQUID, N.O.S.	5.1		II	274	1 L	E2	P504 IBC02			
3139	OXIDIZING LIQUID, N.O.S.	5.1		III	223 274	5 L	E1	P504 IBC02			
3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOID SALTS, LIQUID, N.O.S.	6.1		I	43 274	0	E5	P001			
3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOID SALTS, LIQUID, N.O.S.	6.1		II	43 274	100 ml	E4	P001 IBC02			
3140	ALKALOIDS, LIQUID, N.O.S. or ALKALOID SALTS, LIQUID, N.O.S.	6.1		III	43 223 274	5 L	E1	P001 IBC03 LP01			
3141	ANTIMONY COMPOUND, INORGANIC, LIQUID, N.O.S.	6.1		III	45 274	5 L	E1	P001 IBC03 LP01			
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1		I	274	0	E5	P001			
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1		II	274	100 ml	E4	P001 IBC02			
3142	DISINFECTANT, LIQUID, TOXIC, N.O.S.	6.1		III	223 274	5 L	E1	P001 IBC03 LP01			
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1		I	274	0	E5	P002 IBC07	B1	T6	TP33
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1		II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3143	DYE, SOLID, TOXIC, N.O.S. or DYE INTERMEDIATE, SOLID, TOXIC, N.O.S.	6.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1		I	43 274	0	E5	P001			



UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1		II	43 274	100 ml	E4	P001 IBC02			
3144	NICOTINE COMPOUND, LIQUID, N.O.S. or NICOTINE PREPARATION, LIQUID, N.O.S.	6.1		III	43 223 274	5 L	E1	P001 IBC03 LP01			
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8		I		0	E0	P001		T14	TP2
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8		II		1 L	E2	P001 IBC02		T11	TP2 TP27
3145	ALKYLPHENOLS, LIQUID, N.O.S. (including C2-C12 homologues)	8		III	223	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1		I	43 274	0	E5	P002 IBC07	B1	T6	TP33
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1		II	43 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3146	ORGANOTIN COMPOUND, SOLID, N.O.S.	6.1		III	43 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3147	DYE, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	8		I	274	0	E0	P002 IBC07	B1	T6	TP33
3147	DYE, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	8		II	274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
3147	DYE, SOLID, CORROSIVE, N.O.S. or DYE INTERMEDIATE, SOLID, CORROSIVE, N.O.S.	8		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3148	WATER-REACTIVE LIQUID, N.O.S.	4.3		I	274	0	E0	P402		T13	TP2 TP7 TP38
3148	WATER-REACTIVE LIQUID, N.O.S.	4.3		II	274	500 ml	E2	P402 IBC01		T7	TP2 TP7
3148	WATER-REACTIVE LIQUID, N.O.S.	4.3		III	223 274	1 L	E1	P001 IBC02		T7	TP2 TP7
3149	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5% peroxyacetic acid, STABILIZED	5.1	8	II	196	1 L	E2	P504 IBC02	PP10 B5	T7	TP2 TP6 TP24
3150	DEVICES, SMALL, HYDROCARBON GAS POWERED or HYDROCARBON GAS REFILLS FOR SMALL DEVICES with release device	2.1				0	E0	P003			
3151	POLYHALOGENATED BIPHENYLS, LIQUID or HALOGENATED MONOMETHYLDIPHENYL-METHANES, LIQUID or POLYHALOGENATED TERPHENYLS, LIQUID	9		II	203 305	1 L	E2	P906 IBC02			
3152	POLYHALOGENATED BIPHENYLS, SOLID or HALOGENATED MONOMETHYLDIPHENYL-METHANES, SOLID or POLYHALOGENATED TERPHENYLS, SOLID	9		II	203 305	1 kg	E2	P906 IBC08	B2, B4	T3	TP33
3153	PERFLUORO (METHYL VINYL ETHER)	2.1				0	E0	P200		T50	

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3154	PERFLUORO (ETHYL VINYL ETHER)	2.1				0	E0	P200			
3155	PENTACHLOROPHENOL	6.1		II	43	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3156	COMPRESSED GAS, OXIDIZING, N.O.S.	2.2	5.1		274	0	E0	P200			
3157	LIQUEFIED GAS, OXIDIZING, N.O.S.	2.2	5.1		274	0	E0	P200			
3158	GAS, REFRIGERATED LIQUID, N.O.S.	2.2			274	120 ml	E1	P203		T75	TP5
3159	1,1,1,2-TETRAFLUOROETHANE (REFRIGERANT GAS R 134a)	2.2				120 ml	E1	P200		T50	
3160	LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	2.1		274	0	E0	P200			
3161	LIQUEFIED GAS, FLAMMABLE, N.O.S.	2.1			274	0	E0	P200		T50	
3162	LIQUEFIED GAS, TOXIC, N.O.S.	2.3			274	0	E0	P200			
3163	LIQUEFIED GAS, N.O.S.	2.2			274	120 ml	E1	P200		T50	
3164	ARTICLES, PRESSURIZED, PNEUMATIC or HYDRAULIC (containing non-flammable gas)	2.2			283 371	120 ml	E0	P003			
3165	AIRCRAFT HYDRAULIC POWER UNIT FUEL TANK (containing a mixture of anhydrous hydrazine and methylhydrazine) (M86 fuel)	3	6.1 8	I		0	E0	P301			
3166	VEHICLE, FLAMMABLE GAS POWERED or VEHICLE, FLAMMABLE LIQUID POWERED or VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED or VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED	9			123 <del>312</del> 356 <del>380</del> <del>385</del> 388	0	E0	NONE			
3167	GAS SAMPLE, NON-PRESSURIZED, FLAMMABLE, N.O.S., not refrigerated liquid	2.1			209	0	E0	P201			
3168	GAS SAMPLE, NON-PRESSURIZED, TOXIC, FLAMMABLE, N.O.S., not refrigerated liquid	2.3	2.1		209	0	E0	P201			
3169	GAS SAMPLE, NON-PRESSURIZED, TOXIC, N.O.S., not refrigerated liquid	2.3			209	0	E0	P201			
3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS	4.3		II	244	500 g	E2	P410 IBC07	B2	T3 BK2	TP33
3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS	4.3		III	223 244	1 kg	E1	P002 IBC08	B4	T1 BK2	TP33
3171	BATTERY-POWERED VEHICLE or BATTERY-POWERED EQUIPMENT	9			123 <del>240</del> 388	0	E0	NONE			
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1		I	210 274	0	E5	P001			
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1		II	210 274	100 ml	E4	P001 IBC02			
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1		III	210 223 274	5 L	E1	P001 IBC03 LP01			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3174	TITANIUM DISULPHIDE	4.2		III		0	E1	P002 IBC08 LP02	B3	T1	TP33
3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.	4.1		II	216 274	1 kg	E2	P002 IBC06	PP9 B2	T3 BK1 BK2	TP33
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1		II	274	0	E0			T3	TP3 TP26
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1		III	223 274	0	E0	IBC01		T1	TP3 TP26
3178	FLAMMABLE SOLID, INORGANIC, N.O.S.	4.1		II	274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
3178	FLAMMABLE SOLID, INORGANIC, N.O.S.	4.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3179	FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.	4.1	6.1	II	274	1 kg	E2	P002 IBC06	B2	T3	TP33
3179	FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.	4.1	6.1	III	223 274	5 kg	E1	P002 IBC06		T1	TP33
3180	FLAMMABLE SOLID, CORROSIVE, INORGANIC, N.O.S.	4.1	8	II	274	1 kg	E2	P002 IBC06	B2	T3	TP33
3180	FLAMMABLE SOLID, CORROSIVE, INORGANIC, N.O.S.	4.1	8	III	223 274	5 kg	E1	P002 IBC06		T1	TP33
3181	METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S.	4.1		II	274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
3181	METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S.	4.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3182	METAL HYDRIDES, FLAMMABLE, N.O.S.	4.1		II	274	1 kg	E2	P410 IBC04	PP40	T3	TP33
3182	METAL HYDRIDES, FLAMMABLE, N.O.S.	4.1		III	223 274	5 kg	E1	P002 IBC04		T1	TP33
3183	SELF-HEATING LIQUID, ORGANIC, N.O.S.	4.2		II	274	0	E2	P001 IBC02			
3183	SELF-HEATING LIQUID, ORGANIC, N.O.S.	4.2		III	223 274	0	E1	P001 IBC02			
3184	SELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.	4.2	6.1	II	274	0	E2	P402 IBC02			
3184	SELF-HEATING LIQUID, TOXIC, ORGANIC, N.O.S.	4.2	6.1	III	223 274	0	E1	P001 IBC02			
3185	SELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.	4.2	8	II	274	0	E2	P402 IBC02			
3185	SELF-HEATING LIQUID, CORROSIVE, ORGANIC, N.O.S.	4.2	8	III	223 274	0	E1	P001 IBC02			
3186	SELF-HEATING LIQUID, INORGANIC, N.O.S.	4.2		II	274	0	E2	P001 IBC02			
3186	SELF-HEATING LIQUID, INORGANIC, N.O.S.	4.2		III	223 274	0	E1	P001 IBC02			
3187	SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.	4.2	6.1	II	274	0	E2	P402 IBC02			
3187	SELF-HEATING LIQUID, TOXIC, INORGANIC, N.O.S.	4.2	6.1	III	223 274	0	E1	P001 IBC02			
3188	SELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.	4.2	8	II	274	0	E2	P402 IBC02			
3188	SELF-HEATING LIQUID, CORROSIVE, INORGANIC, N.O.S.	4.2	8	III	223 274	0	E1	P001 IBC02			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3189	METAL POWDER, SELF-HEATING, N.O.S.	4.2		II	274	0	E2	P410 IBC06	B2	T3	TP33
3189	METAL POWDER, SELF-HEATING, N.O.S.	4.2		III	223 274	0	E1	P002 IBC08 LP02	B3	T1	TP33
3190	SELF-HEATING SOLID, INORGANIC, N.O.S.	4.2		II	274	0	E2	P410 IBC06	B2	T3	TP33
3190	SELF-HEATING SOLID, INORGANIC, N.O.S.	4.2		III	223 274	0	E1	P002 IBC08 LP02	B3	T1	TP33
3191	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	4.2	6.1	II	274	0	E2	P410 IBC05	B2	T3	TP33
3191	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	4.2	6.1	III	223 274	0	E1	P002 IBC08	B3	T1	TP33
3192	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.	4.2	8	II	274	0	E2	P410 IBC05	B2	T3	TP33
3192	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.	4.2	8	III	223 274	0	E1	P002 IBC08	B3	T1	TP33
3194	PYROPHORIC LIQUID, INORGANIC, N.O.S.	4.2		I	274	0	E0	P400			
3200	PYROPHORIC SOLID, INORGANIC, N.O.S.	4.2		I	274	0	E0	P404		T21	TP7 TP33
3205	ALKALINE EARTH METAL ALCOHOLATES, N.O.S.	4.2		II	183 274	0	E2	P410 IBC06	B2	T3	TP33
3205	ALKALINE EARTH METAL ALCOHOLATES, N.O.S.	4.2		III	183 223 274	0	E1	P002 IBC08 LP02	B3	T1	TP33
3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.	4.2	8	II	182 274	0	E2	P410 IBC05	B2	T3	TP33
3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S.	4.2	8	III	182 223 274	0	E1	P002 IBC08	B3	T1	TP33
3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3		I	274	0	E0	P403 IBC99			
3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3		II	274	500 g	E0	P410 IBC07	B2	T3	TP33
3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3		III	223 274	1 kg	E1	P410 IBC08	B4	T1	TP33
3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3	4.2	I	274	0	E0	P403			
3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3	4.2	II	274	0	E2	P410 IBC05	B2	T3	TP33
3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3	4.2	III	223 274	0	E1	P410 IBC08	B4	T1	TP33
3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1		II	274 351	1 L	E2	P504 IBC02		T4	TP1
3210	CHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1		III	223 274 351	5 L	E1	P504 IBC02		T4	TP1
3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1		II		1 L	E2	P504 IBC02		T4	TP1
3211	PERCHLORATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1		III	223	5 L	E1	P504 IBC02		T4	TP1
3212	HYPOCHLORITES, INORGANIC, N.O.S.	5.1		II	274 349	1 kg	E2	P002 IBC08	B2, B4	T3	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1		II	274 350	1 L	E2	P504 IBC02		T4	TP1
3213	BROMATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1		III	223 274 350	5 L	E1	P504 IBC02		T4	TP1
3214	PERMANGANATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1		II	206 274 353	1 L	E2	P504 IBC02		T4	TP1
3215	PERSULPHATES, INORGANIC, N.O.S.	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3216	PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1		III		5 L	E1	P504 IBC02		T4	TP1 TP29
3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1		II	270	1 L	E2	P504 IBC02		T4	TP1
3218	NITRATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1		III	223 270	5 L	E1	P504 IBC02		T4	TP1
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1		II	103 274	1 L	E2	P504 IBC01		T4	TP1
3219	NITRITES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1		III	103 223 274	5 L	E1	P504 IBC02		T4	TP1
3220	PENTAFLUOROETHANE (REFRIGERANT GAS R 125)	2.2				120 ml	E1	P200		T50	
3221	SELF-REACTIVE LIQUID TYPE B	4.1			181 274	25 ml	E0	P520	PP21		
3222	SELF-REACTIVE SOLID TYPE B	4.1			181 274	100 g	E0	P520	PP21		
3223	SELF-REACTIVE LIQUID TYPE C	4.1			274	25 ml	E0	P520	PP21 PP94 PP95		
3224	SELF-REACTIVE SOLID TYPE C	4.1			274	100 g	E0	P520	PP21 PP94 PP95		
3225	SELF-REACTIVE LIQUID TYPE D	4.1			274	125 ml	E0	P520			
3226	SELF-REACTIVE SOLID TYPE D	4.1			274	500 g	E0	P520			
3227	SELF-REACTIVE LIQUID TYPE E	4.1			274	125 ml	E0	P520			
3228	SELF-REACTIVE SOLID TYPE E	4.1			274	500 g	E0	P520			
3229	SELF-REACTIVE LIQUID TYPE F	4.1			274	125 ml	E0	P520 IBC99		T23	
3230	SELF-REACTIVE SOLID TYPE F	4.1			274	500 g	E0	P520 IBC99		T23	
3231	SELF-REACTIVE LIQUID TYPE B, TEMPERATURE CONTROLLED	4.1			181 194 274	0	E0	P520	PP21		
3232	SELF-REACTIVE SOLID TYPE B, TEMPERATURE CONTROLLED	4.1			181 194 274	0	E0	P520	PP21		
3233	SELF-REACTIVE LIQUID TYPE C, TEMPERATURE CONTROLLED	4.1			194 274	0	E0	P520	PP21		
3234	SELF-REACTIVE SOLID TYPE C, TEMPERATURE CONTROLLED	4.1			194 274	0	E0	P520	PP21		
3235	SELF-REACTIVE LIQUID TYPE D, TEMPERATURE CONTROLLED	4.1			194 274	0	E0	P520			
3236	SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED	4.1			194 274	0	E0	P520			
3237	SELF-REACTIVE LIQUID TYPE E, TEMPERATURE CONTROLLED	4.1			194 274	0	E0	P520			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3238	SELF-REACTIVE SOLID TYPE E, TEMPERATURE CONTROLLED	4.1			194 274	0	E0	P520			
3239	SELF-REACTIVE LIQUID TYPE F, TEMPERATURE CONTROLLED	4.1			194 274	0	E0	P520		T23	
3240	SELF-REACTIVE SOLID TYPE F, TEMPERATURE CONTROLLED	4.1			194 274	0	E0	P520		T23	
3241	2-BROMO-2-NITROPROPANE-1,3-DIOL	4.1		III	246	5 kg	E1	P520 IBC08	PP22 B3		
3242	AZODICARBONAMIDE	4.1		II	215	1 kg	E0	P409		T3	TP33
3243	SOLIDS CONTAINING TOXIC LIQUID, N.O.S.	6.1		II	217 274	500 g	E4	P002 IBC02	PP9	T2 BK1 BK2	TP33
3244	SOLIDS CONTAINING CORROSIVE LIQUID, N.O.S.	8		II	218 274	1 kg	E2	P002 IBC05	PP9	T3 BK1 BK2	TP33
3245	GENETICALLY MODIFIED MICROORGANISMS or GENETICALLY MODIFIED ORGANISMS	9			219	0	E0	P904 IBC99			
3246	METHANESULPHONYL CHLORIDE	6.1	8	I	354	0	E0	P602		T20	TP2 TP13 TP37
3247	SODIUM PEROXOBORATE, ANHYDROUS	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
3248	MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	220 221	1 L	E2	P001			
3248	MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S.	3	6.1	III	220 221 223	5 L	E1	P001			
3249	MEDICINE, SOLID, TOXIC, N.O.S.	6.1		II	221	500 g	E4	P002		T3	TP33
3249	MEDICINE, SOLID, TOXIC, N.O.S.	6.1		III	221 223	5 kg	E1	P002		T1	TP33
3250	CHLOROACETIC ACID, MOLTEN	6.1	8	II		0	E0	NONE		T7	TP3 TP28
3251	ISOSORBIDE-5-MONONITRATE	4.1		III	132 226	5 kg	E0	P409			
3252	DIFLUOROMETHANE (REFRIGERANT GAS R 32)	2.1				0	E0	P200		T50	
3253	DISODIUM TRIOXOSILICATE	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3254	TRIBUTYLPHOSPHANE	4.2		I		0	E0	P400		T21	TP2 TP7
3255	tert-BUTYL HYPOCHLORITE	4.2	8	I		0	E0	P099			
3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash point above 60 °C, at or above its flash point	3		III	274	0	E0	P099 IBC01		T3	TP3 TP29
3257	ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100 °C and below its flash point (including molten metals, molten salts, etc.)	9		III	232 274	0	E0	P099 IBC01		T3	TP3 TP29
3258	ELEVATED TEMPERATURE SOLID, N.O.S., at or above 240 °C	9		III	232 274	0	E0	P099			
3259	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	8		I	274	0	E0	P002 IBC07	B1	T6	TP33
3259	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	8		II	274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3259	AMINES, SOLID, CORROSIVE, N.O.S. or POLYAMINES, SOLID, CORROSIVE, N.O.S.	8		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	8		I	274	0	E0	P002 IBC07	B1	T6	TP33
3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	8		II	274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
3260	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.	8		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	8		I	274	0	E0	P002 IBC07	B1	T6	TP33
3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	8		II	274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
3261	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	8		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	8		I	274	0	E0	P002 IBC07	B1	T6	TP33
3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	8		II	274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
3262	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	8		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	8		I	274	0	E0	P002 IBC07	B1	T6	TP33
3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	8		II	274	1 kg	E2	P002 IBC08	B2, B4	T3	TP33
3263	CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.	8		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8		I	274	0	E0	P001		T14	TP2 TP27
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8		II	274	1 L	E2	P001 IBC02		T11	TP2 TP27
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8		I	274	0	E0	P001		T14	TP2 TP27
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8		II	274	1 L	E2	P001 IBC02		T11	TP2 TP27
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8		I	274	0	E0	P001		T14	TP2 TP27
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8		II	274	1 L	E2	P001 IBC02		T11	TP2 TP27
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8		I	274	0	E0	P001		T14	TP2 TP27
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8		II	274	1 L	E2	P001 IBC02		T11	TP2 TP27
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
3268	SAFETY DEVICES, electrically initiated†	9			280 289	0	E0	P902 LP902			
3269	POLYESTER RESIN KIT, liquid base material	3		II	236 340	5 L	E0	P302			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3269	POLYESTER RESIN KIT, liquid base material	3		III	236 340	5 L	E0	P302			
3270	NITROCELLULOSE MEMBRANE FILTERS, with not more than 12.6% nitrogen, by dry mass	4.1		II	237 286	1 kg	E2	P411			
3271	ETHERS, N.O.S.	3		II	274	1 L	E2	P001 IBC02		T7	TP1 TP8 TP28
3271	ETHERS, N.O.S.	3		III	223 274	5 L	E1	P001 IBC03 LP01		T4	TP1 TP29
3272	ESTERS, N.O.S.	3		II	274	1 L	E2	P001 IBC02		T7	TP1 TP8 TP28
3272	ESTERS, N.O.S.	3		III	223 274	5 L	E1	P001 IBC03 LP01		T4	TP1 TP29
3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.	3	6.1	I	274	0	E0	P001		T14	TP2 TP13 TP27
3273	NITRILES, FLAMMABLE, TOXIC, N.O.S.	3	6.1	II	274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
3274	ALCOHOLATES SOLUTION, N.O.S., in alcohol	3	8	II	274	1 L	E2	P001 IBC02			
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	3	I	274 315	0	E5	P001		T14	TP2 TP13 TP27
3275	NITRILES, TOXIC, FLAMMABLE, N.O.S.	6.1	3	II	274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3276	NITRILES, LIQUID, TOXIC, N.O.S.	6.1		I	274 315	0	E5	P001		T14	TP2 TP13 TP27
3276	NITRILES, LIQUID, TOXIC, N.O.S.	6.1		II	274	100 ml	E4	P001 IBC02		T11	TP2 TP27
3276	NITRILES, LIQUID, TOXIC, N.O.S.	6.1		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
3277	CHLOROFORMATES, TOXIC, CORROSIVE, N.O.S.	6.1	8	II	274	100 ml	E4	P001 IBC02		T8	TP2 TP13 TP28
3278	ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	6.1		I	43 274 315	0	E5	P001		T14	TP2 TP13 TP27
3278	ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	6.1		II	43 274	100 ml	E4	P001 IBC02		T11	TP2 TP27
3278	ORGANOPHOSPHORUS COMPOUND, LIQUID, TOXIC, N.O.S.	6.1		III	43 223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	3	I	43 274 315	0	E5	P001		T14	TP2 TP13 TP27
3279	ORGANOPHOSPHORUS COMPOUND, TOXIC, FLAMMABLE, N.O.S.	6.1	3	II	43 274	100 ml	E4	P001		T11	TP2 TP13 TP27
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1		I	274 315	0	E5	P001		T14	TP2 TP13 TP27
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1		II	274	100 ml	E4	P001 IBC02		T11	TP2 TP27
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28



UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3281	METAL CARBOXYLS, LIQUID, N.O.S.	6.1		I	274 315	0	E5	P601		T14	TP2 TP13 TP27
3281	METAL CARBOXYLS, LIQUID, N.O.S.	6.1		II	274	100 ml	E4	P001 IBC02		T11	TP2 TP27
3281	METAL CARBOXYLS, LIQUID, N.O.S.	6.1		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
3282	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	6.1		I	274	0	E5	P001		T14	TP2 TP13 TP27
3282	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	6.1		II	274	100 ml	E4	P001 IBC02		T11	TP2 TP27
3282	ORGANOMETALLIC COMPOUND, LIQUID, TOXIC, N.O.S.	6.1		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1		I	274	0	E5	P002 IBC07	B1	T6	TP33
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1		II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3283	SELENIUM COMPOUND, SOLID, N.O.S.	6.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3284	TELLURIUM COMPOUND, N.O.S.	6.1		I	274	0	E5	P002 IBC07	B1	T6	TP33
3284	TELLURIUM COMPOUND, N.O.S.	6.1		II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3284	TELLURIUM COMPOUND, N.O.S.	6.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3285	VANADIUM COMPOUND, N.O.S.	6.1		I	274	0	E5	P002 IBC07	B1	T6	TP33
3285	VANADIUM COMPOUND, N.O.S.	6.1		II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3285	VANADIUM COMPOUND, N.O.S.	6.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	6.1 8	I	274	0	E0	P001		T14	TP2 TP13 TP27
3286	FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.	3	6.1 8	II	274	1 L	E2	P001 IBC99		T11	TP2 TP13 TP27
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1		I	274 315	0	E5	P001		T14	TP2 TP13 TP27
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1		II	274	100 ml	E4	P001 IBC02		T11	TP2 TP27
3287	TOXIC LIQUID, INORGANIC, N.O.S.	6.1		III	223 274	5 L	E1	P001 IBC03 LP01		T7	TP1 TP28
3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1		I	274	0	E5	P002 IBC99		T6	TP33
3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1		II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3288	TOXIC SOLID, INORGANIC, N.O.S.	6.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3289	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1	8	I	274 315	0	E5	P001		T14	TP2 TP13 TP27
3289	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.	6.1	8	II	274	100 ml	E4	P001 IBC02		T11	TP2 TP27

UN No.	Name and description	Class or division	Subsidiary hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3290	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	6.1	8	I	274	0	E5	P002 IBC99		T6	TP33
3290	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.	6.1	8	II	274	500 g	E4	P002 IBC06	B2	T3	TP33
3291	CLINICAL WASTE, UNSPECIFIED, N.O.S. or (BIO) MEDICAL WASTE, N.O.S. or REGULATED MEDICAL WASTE, N.O.S.	6.2		II		0	E0	P621 IBC620 LP621		BK2	
3292	BATTERIES, CONTAINING SODIUM, or CELLS, CONTAINING SODIUM	4.3			239	0	E0	P408			
3293	HYDRAZINE, AQUEOUS SOLUTION with not more than 37% hydrazine, by mass	6.1		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
3294	HYDROGEN CYANIDE, SOLUTION IN ALCOHOL with not more than 45% hydrogen cyanide	6.1	3	I		0	E0	P601		T14	TP2 TP13
3295	HYDROCARBONS, LIQUID, N.O.S.	3		I		500 ml	E3	P001		T11	TP1 TP8 TP28
3295	HYDROCARBONS, LIQUID, N.O.S.	3		II		1 L	E2	P001 IBC02		T7	TP1 TP8 TP28
3295	HYDROCARBONS, LIQUID, N.O.S.	3		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1 TP29
3296	HEPTAFLUOROPROPANE (REFRIGERANT GAS R 227)	2.2				120 ml	E1	P200		T50	
3297	ETHYLENE OXIDE AND CHLOROTETRAFLUOROETHANE MIXTURE with not more than 8.8% ethylene oxide	2.2				120 ml	E1	P200		T50	
3298	ETHYLENE OXIDE AND PENTAFLUOROETHANE MIXTURE with not more than 7.9% ethylene oxide	2.2				120 ml	E1	P200		T50	
3299	ETHYLENE OXIDE AND TETRAFLUOROETHANE MIXTURE with not more than 5.6% ethylene oxide	2.2				120 ml	E1	P200		T50	
3300	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87% ethylene oxide	2.3	2.1			0	E0	P200			
3301	CORROSIVE LIQUID, SELF-HEATING, N.O.S.	8	4.2	I	274	0	E0	P001			
3301	CORROSIVE LIQUID, SELF-HEATING, N.O.S.	8	4.2	II	274	0	E2	P001			
3302	2-DIMETHYLAMINOETHYL ACRYLATE, <u>STABILIZED</u>	6.1		II	-386	100 ml	E4	P001 IBC02		T7	TP2
3303	COMPRESSED GAS, TOXIC, OXIDIZING, N.O.S.	2.3	5.1		274	0	E0	P200			
3304	COMPRESSED GAS, TOXIC, CORROSIVE, N.O.S.	2.3	8		274	0	E0	P200			
3305	COMPRESSED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3	2.1 8		274	0	E0	P200			
3306	COMPRESSED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3	5.1 8		274	0	E0	P200			
3307	LIQUEFIED GAS, TOXIC, OXIDIZING, N.O.S.	2.3	5.1		274	0	E0	P200			

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3308	LIQUEFIED GAS, TOXIC, CORROSIVE, N.O.S.	2.3	8		274	0	E0	P200			
3309	LIQUEFIED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3	2.1 8		274	0	E0	P200			
3310	LIQUEFIED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3	5.18		274	0	E0	P200			
3311	GAS, REFRIGERATED LIQUID, OXIDIZING, N.O.S.	2.2	5.1		274	0	E0	P203		T75	TP5 TP22
3312	GAS, REFRIGERATED LIQUID, FLAMMABLE, N.O.S.	2.1			274	0	E0	P203		T75	TP5
3313	ORGANIC PIGMENTS, SELF-HEATING	4.2		II		0	E2	P002 IBC08	B2, B4	T3	TP33
3313	ORGANIC PIGMENTS, SELF-HEATING	4.2		III	223	0	E1	P002 IBC08 LP02	B3	T1	TP33
3314	PLASTICS MOULDING COMPOUND in dough, sheet or extruded rope form evolving flammable vapour	9		III	207	5 kg	E1	P002 IBC08	PP14 B3, B6		
3315	CHEMICAL SAMPLE, TOXIC	6.1		I	250	0	E0	P099			
3316	CHEMICAL KIT or FIRST AID KIT	9		II	251 340	See SP 251 in Chapter 3.3	See SP 340 in Chapter 3.3	P901			
<del>3316</del>	<del>CHEMICAL KIT or FIRST AID KIT</del>	<del>9</del>		<del>III</del>	<del>251 340</del>	<del>See SP 251 in Chapter 3.3</del>	<del>See SP 340 in Chapter 3.3</del>	<del>P901</del>			
3317	2-AMINO-4,6-DINITROPHENOL, WETTED with not less than 20% water, by mass	4.1		I	28	0	E0	P406	PP26		
3318	AMMONIA SOLUTION, relative density less than 0.880 at 15 °C in water, with more than 50% ammonia	2.3	8		23	0	E0	P200		T50	
3319	NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass	4.1		II	272 274	0	E0	P099			
3320	SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION, with not more than 12% sodium borohydride and not more than 40% sodium hydroxide by mass	8		II		1 L	E2	P001 IBC02		T7	TP2
3320	SODIUM BOROHYDRIDE AND SODIUM HYDROXIDE SOLUTION, with not more than 12% sodium borohydride and not more than 40% sodium hydroxide by mass	8		III	223	5 L	E1	P001 IBC03 LP01		T4	TP2
3321	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), non fissile or fissile-excepted	7			172 317 325 336	0	E0	See Chapter 2.7 and section 4.1.9		T5	TP4
3322	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-III), non fissile or fissile-excepted	7			172 317 325 336	0	E0	See Chapter 2.7 and section 4.1.9		T5	TP4
3323	RADIOACTIVE MATERIAL, TYPE C PACKAGE, non fissile or fissile-excepted	7			172 317 325	0	E0	See Chapter 2.7 and section 4.1.9			

UN No.	Name and description	Class or division	Subsidiary hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3324	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY (LSA-II), FISSILE	7			172 326 336	0	E0	See Chapter 2.7 and section 4.1.9			
3325	RADIOACTIVE MATERIAL, LOW SPECIFIC ACTIVITY, (LSA-III), FISSILE	7			172 326 336	0	E0	See Chapter 2.7 and section 4.1.9			
3326	RADIOACTIVE MATERIAL, SURFACE CONTAMINATED OBJECTS (SCO-I or SCO-II), FISSILE	7			172 <del>336</del> 326	0	E0	See Chapter 2.7 and section 4.1.9			
3327	RADIOACTIVE MATERIAL, TYPE A PACKAGE, FISSILE, non-special form	7			172 326	0	E0	See Chapter 2.7 and section 4.1.9			
3328	RADIOACTIVE MATERIAL, TYPE B(U) PACKAGE, FISSILE	7			172 326 337	0	E0	See Chapter 2.7 and section 4.1.9			
3329	RADIOACTIVE MATERIAL, TYPE B(M) PACKAGE, FISSILE	7			172 326 337	0	E0	See Chapter 2.7 and section 4.1.9			
3330	RADIOACTIVE MATERIAL, TYPE C PACKAGE, FISSILE	7			172 326	0	E0	See Chapter 2.7 and section 4.1.9			
3331	RADIOACTIVE MATERIAL, TRANSPORTED UNDER SPECIAL ARRANGEMENT, FISSILE	7			172 326	0	E0	See Chapter 2.7 and section 4.1.9			
3332	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, non fissile or fissile-excepted	7			172 317	0	E0	See Chapter 2.7 and section 4.1.9			
3333	RADIOACTIVE MATERIAL, TYPE A PACKAGE, SPECIAL FORM, FISSILE	7			172	0	E0	See Chapter 2.7 and section 4.1.9			
3334	AVIATION REGULATED LIQUID, N.O.S.	9			106 274 276	0	E1	N/A			
3335	AVIATION REGULATED SOLID, N.O.S.	9			106 274 276	0	E1	N/A			
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3		I	274	0	E0	P001		T11	TP2
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3		II	274	1 L	E2	P001 IBC02		T7	TP1 TP8 TP28
3336	MERCAPTANS, LIQUID, FLAMMABLE, N.O.S. or MERCAPTAN MIXTURE, LIQUID, FLAMMABLE, N.O.S.	3		III	223 274	5 L	E1	P001 IBC03 LP01		T4	TP1 TP29
3337	REFRIGERANT GAS R 404A	2.2				120 ml	E1	P200		T50	
3338	REFRIGERANT GAS R 407A	2.2				120 ml	E1	P200		T50	
3339	REFRIGERANT GAS R 407B	2.2				120 ml	E1	P200		T50	
3340	REFRIGERANT GAS R 407C	2.2				120 ml	E1	P200		T50	
3341	THIOUREA DIOXIDE	4.2		II		0	E2	P002 IBC06	B2	T3	TP33
3341	THIOUREA DIOXIDE	4.2		III	223	0	E1	P002 IBC08 LP02	B3	T1	TP33
3342	XANTHATES	4.2		II		0	E2	P002 IBC06	B2	T3	TP33
3342	XANTHATES	4.2		III	223	0	E1	P002 IBC08 LP02	B3	T1	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3343	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% nitroglycerin, by mass	3			274 278	0	E0	P099			
3344	PENTAERYTHRITATE TETRANITRATE (PENTAERYTHRITOL TETRANITRATE; PETN) MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by mass	4.1		II	272 274	0	E0	P406	PP26 PP80		
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3345	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3346	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
3346	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3347	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2 TP28
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP27
3348	PHENOXYACETIC ACID DERIVATIVE PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
3349	PYRETHROID PESTICIDE, SOLID, TOXIC	6.1		I	61 274	0	E5	P002 IBC07	B1	T6	TP33
3349	PYRETHROID PESTICIDE, SOLID, TOXIC	6.1		II	61 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3349	PYRETHROID PESTICIDE, SOLID, TOXIC	6.1		III	61 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3350	PYRETHROID PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	I	61 274	0	E0	P001		T14	TP2 TP13 TP27
3350	PYRETHROID PESTICIDE, LIQUID, FLAMMABLE, TOXIC, flash point less than 23 °C	3	6.1	II	61 274	1 L	E2	P001 IBC02		T11	TP2 TP13 TP27

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3351	PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE, flash point not less than 23 °C	6.1	3	III	61 223 274	5 L	E1	P001 IBC03		T7	TP2 TP28
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1		I	61 274	0	E5	P001		T14	TP2 TP13 TP27
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1		II	61 274	100 ml	E4	P001 IBC02		T11	TP2 TP27
3352	PYRETHROID PESTICIDE, LIQUID, TOXIC	6.1		III	61 223 274	5 L	E1	P001 IBC03 LP01		T7	TP2 TP28
3354	INSECTICIDE GAS, FLAMMABLE, N.O.S.	2.1			274	0	E0	P200			
3355	INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	2.1		274	0	E0	P200			
3356	OXYGEN GENERATOR, CHEMICAL†	5.1			284	0	E0	P500			
3357	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass	3		II	274 288	0	E0	P099			
3358	REFRIGERATING MACHINES containing flammable, non-toxic, liquefied gas	2.1			291	0	E0	P003	PP32		
3359	FUMIGATED CARGO TRANSPORT UNIT	9			302	0	E0	NONE			
3360	FIBRES, VEGETABLE, DRY	4.1			29 117 299	0	E0	P003	PP19		
3361	CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.	6.1	8	II	274	0	E0	P010		T14	TP2 TP7 TP13 TP27
3362	CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1	3 8	II	274	0	E0	P010		T14	TP2 TP7 TP13 TP27
3363	DANGEROUS GOODS IN MACHINERY or DANGEROUS GOODS IN APPARATUS	9			301	0	E0	P907			
3364	TRINITROPHENOL (PICRIC ACID), WETTED, with not less than 10% water by mass	4.1		I	28	0	E0	P406	PP24		
3365	TRINITROCHLOROBENZENE (PICRYL CHLORIDE), WETTED, with not less than 10% water by mass	4.1		I	28	0	E0	P406	PP24		
3366	TRINITROTOLUENE (TNT), WETTED, with not less than 10% water by mass	4.1		I	28	0	E0	P406	PP24		
3367	TRINITROBENZENE, WETTED, with not less than 10% water by mass	4.1		I	28	0	E0	P406	PP24		
3368	TRINITROBENZOIC ACID, WETTED, with not less than 10% water by mass	4.1		I	28	0	E0	P406	PP24		

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3369	SODIUM DINITRO-o-CRESOLATE, WETTED, with not less than 10% water by mass	4.1		I	28	0	E0	P406	PP24		
3370	UREA NITRATE, WETTED, with not less than 10% water by mass	4.1		I	28	0	E0	P406	PP78		
3371	2-METHYLBUTANAL	3		II		1 L	E2	P001 IBC02		T4	TP1
3373	BIOLOGICAL SUBSTANCE, CATEGORY B	6.2			319 341	0	E0	P650		T1 BK1 BK2	TP1
3374	ACETYLENE, SOLVENT FREE	2.1				0	E0	P200			
3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives	5.1		II	309	0	E2	P505 IBC02	B16	T1	TP1 TP9 TP17 TP32
3376	4-NITROPHENYLHYDRAZINE, with not less than 30% water, by mass	4.1		I	28	0	E0	P406	PP26		
3377	SODIUM PERBORATE MONOHYDRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1 BK1 BK2 BK3	TP33
3378	SODIUM CARBONATE PEROXYHYDRATE	5.1		II		1 kg	E2	P002 IBC08	B2, B4	T3 BK1 BK2	TP33
3378	SODIUM CARBONATE PEROXYHYDRATE	5.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1 BK1 BK2 BK3	TP33
3379	DESENSITIZED EXPLOSIVE, LIQUID, N.O.S.	3		I	274 311	0	E0	P099			
3380	DESENSITIZED EXPLOSIVE, SOLID, N.O.S.	4.1		I	274 311	0	E0	P099			
3381	TOXIC BY INHALATION LIQUID, N.O.S. with an LC <sub>50</sub> lower than or equal to 200 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 500 LC <sub>50</sub>	6.1		I	274	0	E0	P601		T22	TP2 TP13
3382	TOXIC BY INHALATION LIQUID, N.O.S. with an LC <sub>50</sub> lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 10 LC <sub>50</sub>	6.1		I	274	0	E0	P602		T20	TP2 TP13
3383	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC <sub>50</sub> lower than or equal to 200 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 500 LC <sub>50</sub>	6.1	3	I	274	0	E0	P601		T22	TP2 TP13
3384	TOXIC BY INHALATION LIQUID, FLAMMABLE, N.O.S. with an LC <sub>50</sub> lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 10 LC <sub>50</sub>	6.1	3	I	274	0	E0	P602		T20	TP2 TP13
3385	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. with an LC <sub>50</sub> lower than or equal to 200 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 500 LC <sub>50</sub>	6.1	4.3	I	274	0	E0	P601		T22	TP2 TP13

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3386	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, N.O.S. with an LC <sub>50</sub> lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 10 LC <sub>50</sub>	6.1	4.3	I	274	0	E0	P602		T20	TP2 TP13
3387	TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an LC <sub>50</sub> lower than or equal to 200 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 500 LC <sub>50</sub>	6.1	5.1	I	274	0	E0	P601		T22	TP2 TP13
3388	TOXIC BY INHALATION LIQUID, OXIDIZING, N.O.S. with an LC <sub>50</sub> lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 10 LC <sub>50</sub>	6.1	5.1	I	274	0	E0	P602		T20	TP2 TP13
3389	TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC <sub>50</sub> lower than or equal to 200 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 500 LC <sub>50</sub>	6.1	8	I	274	0	E0	P601		T22	TP2 TP13
3390	TOXIC BY INHALATION LIQUID, CORROSIVE, N.O.S. with an LC <sub>50</sub> lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 10 LC <sub>50</sub>	6.1	8	I	274	0	E0	P602		T20	TP2 TP13
3391	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC	4.2		I	274	0	E0	P404	PP86	T21	TP7 TP33 TP36
3392	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC	4.2		I	274	0	E0	P400	PP86	T21	TP2 TP7 TP36
3393	ORGANOMETALLIC SUBSTANCE, SOLID, PYROPHORIC, WATER-REACTIVE	4.2	4.3	I	274	0	E0	P404	PP86	T21	TP7 TP33 TP36 TP41
3394	ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATER-REACTIVE	4.2	4.3	I	274	0	E0	P400	PP86	T21	TP2 TP7 TP36 TP41
3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3		I	274	0	E0	P403		T9	TP7 TP33 TP36 TP41
3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3		II	274	500 g	E2	P410 IBC04		T3	TP33 TP36 TP41
3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3		III	223 274	1 kg	E1	P410 IBC06		T1	TP33 TP36 TP41
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	4.1	I	274	0	E0	P403		T9	TP7 TP33 TP36 TP41
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	4.1	II	274	500 g	E2	P410 IBC04		T3	TP33 TP36 TP41
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	4.1	III	223 274	1 kg	E1	P410 IBC06		T1	TP33 TP36 TP41



UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	4.2	I	274	0	E0	P403		T9	TP7 TP33 TP36 TP41
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	4.2	II	274	500 g	E2	P410 IBC04		T3	TP33 TP36 TP41
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	4.2	III	223 274	1 kg	E1	P410 IBC06		T1	TP33 TP36 TP41
3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3		I	274	0	E0	P402		T13	TP2 TP7 TP36 TP41
3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3		II	274	500 ml	E2	P001 IBC01		T7	TP2 TP7 TP36 TP41
3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3		III	223 274	1 L	E1	P001 IBC02		T7	TP2 TP7 TP36 TP41
3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	3	I	274	0	E0	P402		T13	TP2 TP7 TP36 TP41
3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	3	II	274	500 ml	E2	P001 IBC01		T7	TP2 TP7 TP36 TP41
3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	3	III	223 274	1 L	E1	P001 IBC02		T7	TP2 TP7 TP36 TP41
3400	ORGANOMETALLIC SUBSTANCE, SOLID, SELF-HEATING	4.2		II	274	500 g	E2	P410 IBC06		T3	TP33 TP36
3400	ORGANOMETALLIC SUBSTANCE, SOLID, SELF-HEATING	4.2		III	223 274	1 kg	E1	P002 IBC08		T1	TP33 TP36
3401	ALKALI METAL AMALGAM, SOLID	4.3		I	182	0	E0	P403		T9	TP7 TP33
3402	ALKALINE EARTH METAL AMALGAM, SOLID	4.3		I	183	0	E0	P403		T9	TP7 TP33
3403	POTASSIUM METAL ALLOYS, SOLID	4.3		I		0	E0	P403		T9	TP7 TP33
3404	POTASSIUM SODIUM ALLOYS, SOLID	4.3		I		0	E0	P403		T9	TP7 TP33
3405	BARIUM CHLORATE SOLUTION	5.1	6.1	II		1 L	E2	P504 IBC02		T4	TP1
3405	BARIUM CHLORATE SOLUTION	5.1	6.1	III	223	5 L	E1	P001 IBC02		T4	TP1
3406	BARIUM PERCHLORATE SOLUTION	5.1	6.1	II		1 L	E2	P504 IBC02		T4	TP1
3406	BARIUM PERCHLORATE SOLUTION	5.1	6.1	III	223	5 L	E1	P001 IBC02		T4	TP1
3407	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION	5.1		II		1 L	E2	P504 IBC02		T4	TP1
3407	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE SOLUTION	5.1		III	223	5 L	E1	P504 IBC02		T4	TP1
3408	LEAD PERCHLORATE SOLUTION	5.1	6.1	II		1 L	E2	P504 IBC02		T4	TP1

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						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3408	LEAD PERCHLORATE SOLUTION	5.1	6.1	III	223	5 L	E1	P001 IBC02		T4	TP1
3409	CHLORONITROBENZENES, LIQUID	6.1		II	279	100 ml	E4	P001 IBC02		T7	TP2
3410	4-CHLORO-o-TOLUIDINE HYDROCHLORIDE SOLUTION	6.1		III	223	5 L	E1	P001 IBC03		T4	TP1
3411	beta-NAPHTHYLAMINE SOLUTION	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
3411	beta-NAPHTHYLAMINE SOLUTION	6.1		III	223	5 L	E1	P001 IBC02		T7	TP2
3412	FORMIC ACID with not less than 10% but not more than 85% acid by mass	8		II		1 L	E2	P001 IBC02		T7	TP2
3412	FORMIC ACID with not less than 5% but less than 10% acid by mass	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
3413	POTASSIUM CYANIDE SOLUTION	6.1		I		0	E5	P001		T14	TP2 TP13
3413	POTASSIUM CYANIDE SOLUTION	6.1		II		100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3413	POTASSIUM CYANIDE SOLUTION	6.1		III	223	5 L	E1	P001 IBC03 LP01		T7	TP2 TP13 TP28
3414	SODIUM CYANIDE SOLUTION	6.1		I		0	E5	P001		T14	TP2 TP13
3414	SODIUM CYANIDE SOLUTION	6.1		II		100 ml	E4	P001 IBC02		T11	TP2 TP13 TP27
3414	SODIUM CYANIDE SOLUTION	6.1		III	223	5 L	E1	P001 IBC03 LP01		T7	TP2 TP13 TP28
3415	SODIUM FLUORIDE SOLUTION	6.1		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
3416	CHLOROACETOPHENONE, LIQUID	6.1		II		0	E0	P001 IBC02		T7	TP2 TP13
3417	XYLYL BROMIDE, SOLID	6.1		II		0	E4	P002 IBC08	B2, B4	T3	TP33
3418	2,4-TOLUYLENEDIAMINE SOLUTION	6.1		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
3419	BORON TRIFLUORIDE ACETIC ACID COMPLEX, SOLID	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
3420	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, SOLID	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
3421	POTASSIUM HYDROGEN DIFLUORIDE SOLUTION	8	6.1	II		1 L	E2	P001 IBC02		T7	TP2
3421	POTASSIUM HYDROGEN DIFLUORIDE SOLUTION	8	6.1	III	223	5 L	E1	P001 IBC03		T4	TP1
3422	POTASSIUM FLUORIDE SOLUTION	6.1		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
3423	TETRAMETHYLAMMONIUM HYDROXIDE, SOLID	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
3424	AMMONIUM DINITRO-o-CRESOLATE, SOLUTION	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
3424	AMMONIUM DINITRO-o-CRESOLATE, SOLUTION	6.1		III	223	5 L	E1	P001 IBC02		T7	TP2
3425	BROMOACETIC ACID, SOLID	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3426	ACRYLAMIDE SOLUTION	6.1		III	223	5 L	E1	P001 IBC03 LP01		T4	TP1
3427	CHLOROBENZYL CHLORIDES, SOLID	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3428	3-CHLORO-4-METHYLPHENYL ISOCYANATE, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
3429	CHLOROTOLUIDINES, LIQUID	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
3430	XYLENOLS, LIQUID	6.1		II		100 ml	E4	P001 IBC02		T7	TP2
3431	NITROBENZOTRIFLUORIDES, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
3432	POLYCHLORINATED BIPHENYLS, SOLID	9		II	305	1 kg	E2	P906 IBC08	B2, B4	T3	TP33
3434	NITROCRESOLS, LIQUID	6.1		III		5 L	E1	P001 IBC03 LP01		T4	TP1
3436	HEXAFLUOROACETONE HYDRATE, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
3437	CHLOROCRESOLS, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
3438	alpha-METHYLBENZYL ALCOHOL, SOLID	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3439	NITRILES, SOLID, TOXIC, N.O.S.	6.1		I	274	0	E5	P002 IBC07	B1	T6	TP33
3439	NITRILES, SOLID, TOXIC, N.O.S.	6.1		II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3439	NITRILES, SOLID, TOXIC, N.O.S.	6.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1		I	274	0	E5	P001		T14	TP2 TP27
3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1		II	274	100 ml	E4	P001 IBC02		T11	TP2 TP27
3440	SELENIUM COMPOUND, LIQUID, N.O.S.	6.1		III	223 274	5 L	E1	P001 IBC03		T7	TP1 TP28
3441	CHLORODINITROBENZENES, SOLID	6.1		II	279	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3442	DICHLOROANILINES, SOLID	6.1		II	279	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3443	DINITROBENZENES, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
3444	NICOTINE HYDROCHLORIDE, SOLID	6.1		II	43	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3445	NICOTINE SULPHATE, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
3446	NITROTOLUENES, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
3447	NITROXYLENES, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
3448	TEAR GAS SUBSTANCE, SOLID, N.O.S.	6.1		I	274	0	E0	P002		T6	TP33
3448	TEAR GAS SUBSTANCE, SOLID, N.O.S.	6.1		II	274	0	E0	P002 IBC08	B2, B4	T3	TP33
3449	BROMOBENZYL CYANIDES, SOLID	6.1		I	138	0	E5	P002		T6	TP33
3450	DIPHENYLCHLOROARSINE, SOLID	6.1		I		0	E0	P002 IBC07	B1	T6	TP33
3451	TOLUIDINES, SOLID	6.1		II	279	500 g	E4	P002 IBC08	B2, B4	T3	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3452	XYLIDINES, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
3453	PHOSPHORIC ACID, SOLID	8		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3454	DINITROTOLUENES, SOLID	6.1		II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
3455	CRESOLS, SOLID	6.1	8	II		500 g	E4	P002 IBC08	B2, B4	T3	TP33
3456	NITROSYLSULPHURIC ACID, SOLID	8		II		1 kg	E2	P002 IBC08	B2, B4	T3	TP33
3457	CHLORONITROTOLUENES, SOLID	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3458	NITROANISOLES, SOLID	6.1		III	279	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3459	NITROBROMOBENZENES, SOLID	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3460	N-ETHYLBENZYL TOLUIDINES, SOLID	6.1		III		5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1		I	210 274	0	E5	P002 IBC07	B1	T6	TP33
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1		II	210 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3462	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1		III	210 223 274	5 kg	E1	P002 IBC08	B3	T1	TP33
3463	PROPIONIC ACID with not less than 90% acid by mass	8	3	II		1 L	E2	P001 IBC02		T7	TP2
3464	ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S.	6.1		I	43 274	0	E5	P002 IBC07	B1	T6	TP33
3464	ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S.	6.1		II	43 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3464	ORGANOPHOSPHORUS COMPOUND, SOLID, TOXIC, N.O.S.	6.1		III	43 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3465	ORGANOARSENIC COMPOUND, SOLID, N.O.S.	6.1		I	274	0	E5	P002 IBC07	B1	T6	TP33
3465	ORGANOARSENIC COMPOUND, SOLID, N.O.S.	6.1		II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3465	ORGANOARSENIC COMPOUND, SOLID, N.O.S.	6.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3466	METAL CARBONYLS, SOLID, N.O.S.	6.1		I	274	0	E5	P002 IBC07	B1	T6	TP33
3466	METAL CARBONYLS, SOLID, N.O.S.	6.1		II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
3466	METAL CARBONYLS, SOLID, N.O.S.	6.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
3467	ORGANOMETALLIC COMPOUND, SOLID, TOXIC, N.O.S.	6.1		I	274	0	E5	P002 IBC07	B1	T6	TP33
3467	ORGANOMETALLIC COMPOUND, SOLID, TOXIC, N.O.S.	6.1		II	274	500 g	E4	P002 IBC08	B2, B4	T3	TP33

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3467	ORGANOMETALLIC COMPOUND, SOLID, TOXIC, N.O.S.	6.1		III	223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33
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	2.1			321 356	0	E0	P205			
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 or reducing compound)	3	8	I	163 367	0	E0	P001		T11	TP2 TP27
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 or reducing compound)	3	8	II	163 367	1 L	E2	P001 IBC02		T7	TP2 TP8 TP28
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 or reducing compound)	3	8	III	163 223 367	5 L	E1	P001 IBC03		T4	TP1 TP29
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 or reducing compound)	8	3	II	163 367	1 L	E2	P001 IBC02		T7	TP2 TP8 TP28
3471	HYDROGENDIFLUORIDES SOLUTION, N.O.S.	8	6.1	II		1 L	E2	P001 IBC02		T7	TP2
3471	HYDROGENDIFLUORIDES SOLUTION, N.O.S.	8	6.1	III	223	5 L	E1	P001 IBC03		T4	TP1
3472	CROTONIC ACID, LIQUID	8		III		5 L	E1	P001 IBC03 LP01		T4	TP1
3473	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing flammable liquids	3			328	1 L	E0	P004			
3474	I-HYDROXYBENZOTRIAZOLE MONOHYDRATE	4.1		I		0	E0	P406	PP48		

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3475	ETHANOL AND GASOLINE MIXTURE or ETHANOL AND MOTOR SPIRIT MIXTURE or ETHANOL AND PETROL MIXTURE, with more than 10% ethanol	3		II	333	1 L	E2	P001 IBC02		T4	TP1
3476	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing water-reactive substances	4.3			328 334	500 ml or 500 g	E0	P004			
3477	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing corrosive substances	8			328 334	1 L or 1 kg	E0	P004			
3478	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing liquefied flammable gas	2.1			328 338	120 ml	E0	P004			
3479	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing hydrogen in metal hydride	2.1			328 339	120 ml	E0	P004			
3480	LITHIUM ION BATTERIES (including lithium ion polymer batteries)	9			188 230 310 348 376 377 384 387	0	E0	P903 P908 P909 P910 LP903 LP904			
3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)	9			188 230 310 348 360 376 377 384 387	0	E0	P903 P908 P909 P910 LP903 LP904			
3482	ALKALI METAL DISPERSION, FLAMMABLE or ALKALINE EARTH METAL DISPERSION, FLAMMABLE	4.3	3	I	182 183	0	E0	P402			
3483	MOTOR FUEL ANTI-KNOCK MIXTURE, FLAMMABLE	6.1	3	I		0	E0	P602		T14	TP2 TP13
3484	HYDRAZINE AQUEOUS SOLUTION, FLAMMABLE with more than 37% hydrazine, by mass	8	3 6.1	I		0	E0	P001		T10	TP2 TP13
3485	CALCIUM HYPOCHLORITE, DRY, CORROSIVE or CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 39% available chlorine (8.8% available oxygen)	5.1	8	II	314	1 kg	E2	P002 IBC08	PP85 B2, B4, B1 3		

UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3486	CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 10% but not more than 39% available chlorine	5.1	8	III	314	5 kg	E1	P002 IBC08 LP02	PP85 B3, B13 L3		
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	8	II	314 322	1 kg	E2	P002 IBC08	PP85 B2, B4, B1 3		
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	8	III	223 314	5 kg	E1	P002 IBC08	PP85 B4, B13		
3488	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an LC <sub>50</sub> lower than or equal to 200 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 500 LC <sub>50</sub>	6.1	3 8	I	274	0	E0	P601		T22	TP2 TP13
3489	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an LC <sub>50</sub> lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 10 LC <sub>50</sub>	6.1	3 8	I	274	0	E0	P602		T20	TP2 TP13
3490	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an LC <sub>50</sub> lower than or equal to 200 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 500 LC <sub>50</sub>	6.1	4.3 3	I	274	0	E0	P601		T22	TP2 TP13
3491	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an LC <sub>50</sub> lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 10 LC <sub>50</sub>	6.1	4.3 3	I	274	0	E0	P602		T20	TP2 TP13
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	6.1	I	343	0	E0	P001		T14	TP2 TP13
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	6.1	II	343	1 L	E2	P001 IBC02		T7	TP2
3494	PETROLEUM SOUR CRUDE OIL, FLAMMABLE, TOXIC	3	6.1	III	343	5 L	E1	P001 IBC03		T4	TP1
3495	IODINE	8	6.1	III	279	5 kg	E1	P002 IBC08	B3	T1	TP33
3496	BATTERIES, NICKEL-METAL HYDRIDE	9			117	0	E0	N/A			
3497	KRILL MEAL	4.2		II	300	0	E2	P410 IBC06	B2	T3	TP33
3497	KRILL MEAL	4.2		III	223 300	0	E1	P002 IBC08 LP02	B3	T1	TP33
3498	IODINE MONOCHLORIDE, LIQUID	8		II		1 L	E0	P001 IBC02		T7	TP2
3499	CAPACITOR, ELECTRIC DOUBLE LAYER (with an energy storage capacity greater than 0.3Wh)	9			361	0	E0	P003			
3500	CHEMICAL UNDER PRESSURE, N.O.S.	2.2			274 362	0	E0	P206		T50	TP4 TP40

UN No.	Name and description	Class or division	Subsidiary hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3501	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.	2.1			274 362	0	E0	P206	PP89	T50	TP4 TP40
3502	CHEMICAL UNDER PRESSURE, TOXIC, N.O.S.	2.2	6.1		274 362	0	E0	P206	PP89	T50	TP4 TP40
3503	CHEMICAL UNDER PRESSURE, CORROSIVE, N.O.S.	2.2	8		274 362	0	E0	P206	PP89	T50	TP4 TP40
3504	CHEMICAL UNDER PRESSURE, FLAMMABLE, TOXIC, N.O.S.	2.1	6.1		274 362	0	E0	P206	PP89	T50	TP4 TP40
3505	CHEMICAL UNDER PRESSURE, FLAMMABLE, CORROSIVE, N.O.S.	2.1	8		274 362	0	E0	P206	PP89	T50	TP4 TP40
3506	MERCURY CONTAINED IN MANUFACTURED ARTICLES	8	6.1		366	5 kg	E0	P003	PP90		
3507	URANIUM HEXAFLUORIDE, RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, less than 0.1 kg per package, non-fissile or fissile-excepted	6.1	7 8	I	317 369	0	E0	P603			
3508	CAPACITOR, ASYMMETRIC (with an energy storage capacity greater than 0.3Wh)	9			372	0	E0	P003			
3509	PACKAGINGS, DISCARDED, EMPTY, UNCLEANED	9			374	0	E0				
3510	ADSORBED GAS, FLAMMABLE, N.O.S.	2.1			274	0	E0	P208			
3511	ADSORBED GAS, N.O.S.	2.2			274	0	E0	P208			
3512	ADSORBED GAS, TOXIC, N.O.S.	2.3			274	0	E0	P208			
3513	ADSORBED GAS, OXIDIZING, N.O.S.	2.2	5.1		274	0	E0	P208			
3514	ADSORBED GAS, TOXIC, FLAMMABLE, N.O.S.	2.3	2.1		274	0	E0	P208			
3515	ADSORBED GAS, TOXIC, OXIDIZING, N.O.S.	2.3	5.1		274	0	E0	P208			
3516	ADSORBED GAS, TOXIC, CORROSIVE, N.O.S.	2.3	8		274 379	0	E0	P208			
3517	ADSORBED GAS, TOXIC, FLAMMABLE, CORROSIVE, N.O.S.	2.3	2.1 8		274	0	E0	P208			
3518	ADSORBED GAS, TOXIC, OXIDIZING, CORROSIVE, N.O.S.	2.3	5.1 8		274	0	E0	P208			
3519	BORON TRIFLUORIDE, ADSORBED	2.3	8			0	E0	P208			
3520	CHLORINE, ADSORBED	2.3	5.1 8			0	E0	P208			
3521	SILICON TETRAFLUORIDE, ADSORBED	2.3	8			0	E0	P208			
3522	ARSINE, ADSORBED	2.3	2.1			0	E0	P208			
3523	GERMANE, ADSORBED	2.3	2.1			0	E0	P208			
3524	PHOSPHORUS PENTAFLUORIDE, ADSORBED	2.3	8			0	E0	P208			
3525	PHOSPHINE, ADSORBED	2.3	2.1			0	E0	P208			
3526	HYDROGEN SELENIDE, ADSORBED	2.3	2.1			0	E0	P208			
3527	POLYESTER RESIN KIT, solid base material	4.1		II	236 340	5kg	E0	P412			



UN No.	Name and description	Class or division	Subsidiary risk hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3527	POLYESTER RESIN KIT, solid base material	4.1		III	236 340	5kg	E0	P412			
3528	ENGINE, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED or ENGINE, FUEL CELL, FLAMMABLE LIQUID POWERED or MACHINERY, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED or MACHINERY, FUEL CELL, FLAMMABLE LIQUID POWERED	3			363	0	E0	P005			
3529	ENGINE, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED or ENGINE, FUEL CELL, FLAMMABLE GAS POWERED or MACHINERY, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED or MACHINERY, FUEL CELL, FLAMMABLE GAS POWERED	2.1			363	0	E0	P005			
3530	ENGINE, INTERNAL COMBUSTION or MACHINERY, INTERNAL COMBUSTION	9			363	0	E0	P005			
3531	POLYMERIZING SUBSTANCE, SOLID, STABILIZED, N.O.S.	4.1		III	274 386	0	E0	P002 IBC07	PP92 B18	T7	TP4 TP6 TP33
3532	POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S.	4.1		III	274 386	0	E0	P001 IBC03	PP93 B19	T7	TP4 TP6
3533	POLYMERIZING SUBSTANCE, SOLID, TEMPERATURE CONTROLLED, N.O.S.	4.1		III	274 386	0	E0	P002 IBC07	PP92 B18	T7	TP4 TP6 TP33
3534	POLYMERIZING SUBSTANCE, LIQUID, TEMPERATURE CONTROLLED, N.O.S.	4.1		III	274 386	0	E0	P001 IBC03	PP93 B19	T7	TP4 TP6
3535	<u>TOXIC SOLID, FLAMMABLE, INORGANIC, N.O.S.</u>	<u>6.1</u>	<u>4.1</u>	<u>I</u>	<u>274</u>	<u>0</u>	<u>E5</u>	<u>P002</u> <u>IBC99</u>		<u>T6</u>	<u>TP33</u>
3535	<u>TOXIC SOLID, FLAMMABLE, INORGANIC, N.O.S.</u>	<u>6.1</u>	<u>4.1</u>	<u>II</u>	<u>274</u>	<u>500 g</u>	<u>E4</u>	<u>P002</u> <u>IBC08</u>	<u>B2, B4</u>	<u>T3</u>	<u>TP33</u>
3536	<u>LITHIUM BATTERIES INSTALLED IN CARGO TRANSPORT UNIT lithium ion batteries or lithium metal batteries</u>	<u>9</u>			<u>389</u>	<u>0</u>	<u>E0</u>				
3537	<u>ARTICLES CONTAINING FLAMMABLE GAS, N.O.S.</u>	<u>2.1</u>	<u>See 2.0.5.6</u>		<u>274</u> <u>391</u>	<u>0</u>	<u>E0</u>	<u>P006</u> <u>LP03</u>			
3538	<u>ARTICLES CONTAINING NON-FLAMMABLE, NON TOXIC GAS, N.O.S.</u>	<u>2.2</u>	<u>See 2.0.5.6</u>		<u>274</u> <u>391</u>	<u>0</u>	<u>E0</u>	<u>P006</u> <u>LP03</u>			
3539	<u>ARTICLES CONTAINING TOXIC GAS, N.O.S.</u>	<u>2.3</u>	<u>See 2.0.5.6</u>		<u>274</u> <u>391</u>	<u>0</u>	<u>E0</u>				
3540	<u>ARTICLES CONTAINING FLAMMABLE LIQUID, N.O.S.</u>	<u>3</u>	<u>See 2.0.5.6</u>		<u>274</u> <u>391</u>	<u>0</u>	<u>E0</u>	<u>P006</u> <u>LP03</u>			
3541	<u>ARTICLES CONTAINING FLAMMABLE SOLID, N.O.S.</u>	<u>4.1</u>	<u>See 2.0.5.6</u>		<u>274</u> <u>391</u>	<u>0</u>	<u>E0</u>	<u>P006</u> <u>LP03</u>			
3542	<u>ARTICLES CONTAINING A SUBSTANCE LIABLE TO SPONTANEOUS COMBUSTION, N.O.S.</u>	<u>4.2</u>	<u>See 2.0.5.6</u>		<u>274</u> <u>391</u>	<u>0</u>	<u>E0</u>				
3543	<u>ARTICLES CONTAINING A SUBSTANCE WHICH EMITS FLAMMABLE GAS IN CONTACT WITH WATER, N.O.S.</u>	<u>4.3</u>	<u>See 2.0.5.6</u>		<u>274</u> <u>391</u>	<u>0</u>	<u>E0</u>				

UN No.	Name and description	Class or division	Subsidiary <del>risk</del> hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
-	3.1.2	2.0	2.0	2.0.1.3	3.3	3.4	3.5	4.1.4	4.1.4	4.2.5 / 4.3.2	4.2.5
3544	ARTICLES CONTAINING OXIDIZING SUBSTANCE, N.O.S.	5.1	See 2.0.5.6		274 391	0	E0				
3545	ARTICLES CONTAINING ORGANIC PEROXIDE, N.O.S.	5.2	See 2.0.5.6		274 391	0	E0				
3546	ARTICLES CONTAINING TOXIC SUBSTANCE, N.O.S.	6.1	See 2.0.5.6		274 391	0	E0	P006 LP03			
3547	ARTICLES CONTAINING CORROSIVE SUBSTANCE, N.O.S.	8	See 2.0.5.6		274 391	0	E0	P006 LP03			
3548	ARTICLES CONTAINING MISCELLANEOUS DANGEROUS GOODS, N.O.S.	9	See 2.0.5.6		274 391	0	E0	P006 LP03			



[Changes in this colour are from corrigenda \(ST/SG/AC.10/1/Rev.19/Corr.1 and Corr.2\)](#)

[Changes in this colour are from ST-SG-AC10-44Add1](#)

[Changes in this colour are from ST/SG/AC.10/C.3/2016/100/Add1](#)

## CHAPTER 3.3

### SPECIAL PROVISIONS APPLICABLE TO CERTAIN ARTICLES OR SUBSTANCES

3.3.1 When Column 6 of the Dangerous Goods List 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. Where a special provision includes a requirement for package marking, the provisions of 5.2.1.2 (a) to (d) shall be met. If the required mark is in the form of specific wording indicated in quotation marks, [such as “LITHIUM BATTERIES FOR DISPOSAL”](#)~~such as “Damaged Lithium Batteries”~~, the size of the mark shall be at least 12 mm, unless otherwise indicated in the special provision or elsewhere in these Regulations.

- 16 Samples of new or existing explosive substances or articles may be transported as directed by the competent authorities 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.
- 26 This substance is not permitted for transport in portable tanks, or intermediate bulk containers with a capacity exceeding 450 litres, due to potential initiation of explosion when transported in large volumes.
- 28 This substance may be transported under the provisions of Division 4.1 only if it is so packed that the percentage of diluent will not fall below that stated, at any time during transport (see 2.4.2.4).
- 29 This substance is exempt from labelling, but shall be marked with the appropriate class or division.
- 32 This substance is not subject to these Regulations when in any other form.
- 37 This substance is not subject to these Regulations when coated.
- 38 This substance is not subject to these Regulations when it contains not more than 0.1% calcium carbide.
- 39 This substance is not subject to these Regulations 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 2.6.2.3 and 2.6.2.4).
- 45 Antimony sulphides and oxides which contain not more than 0.5% of arsenic calculated on the total mass are not subject to these Regulations.
- 47 Ferricyanides and ferrocyanides are not subject to these Regulations.

- 48 The transport of this substance, when it contains more than 20% hydrocyanic acid, is prohibited except with special authorization granted by the competent authorities.
- 59 These substances are not subject to these Regulations when they contain not more than 50% magnesium.
- 60 If the concentration is more than 72%, the transport of this substance is prohibited except with special authorization granted by the competent authorities.
- 61 The technical name which shall supplement the proper shipping name shall be the ISO common name, 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 3.1.2.8.1.1).
- 62 This substance is not subject to these Regulations when it contains not more than 4% sodium hydroxide.
- 63 The division of Class 2 and the subsidiary ~~risks-hazards~~ depend on the nature of the contents of the aerosol dispenser. The following provisions shall apply:
- (a) Division 2.1 applies if the contents include 85% by mass or more flammable components and the chemical heat of combustion is 30 kJ/g or more;
  - (b) Division 2.2 applies if the contents contain 1% by mass or less flammable components and the heat of combustion is less than 20 kJ/g;
  - (c) Otherwise the product shall be classified as tested by the tests described in the *Manual of Tests and Criteria*, Part III, section 31. Extremely flammable and flammable aerosols shall be classified in Division 2.1; non-flammable in Division 2.2;
  - (d) Gases of Division 2.3 shall not be used as a propellant in an aerosol dispenser;
  - (e) Where the contents other than the propellant of aerosol dispensers to be ejected are classified as Division 6.1 packing groups II or III or Class 8 packing groups II or III, the aerosol shall have a subsidiary ~~risk-hazard~~ of Division 6.1 or Class 8;
  - (f) Aerosols with contents meeting the criteria for packing group I for toxicity or corrosivity shall be prohibited from transport;
  - (g) Subsidiary ~~risk-hazard~~ labels may be required for air transport.
- 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.
- 65 Hydrogen peroxide aqueous solutions with less than 8% hydrogen peroxide are not subject to these Regulations.
- 66 Cinnabar is not subject to these Regulations.
- 103 Ammonium nitrites and mixtures of an inorganic nitrite with an ammonium salt are prohibited.

- 105 Nitrocellulose meeting the descriptions of UN 2556 or UN 2557 may be classified in Division 4.1.
- 106 Subject to these Regulations only when transported by air.
- 113 The carriage of chemically unstable mixtures is prohibited.
- 117 Subject to these Regulations only when transported by sea.
- 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 these Regulations if they contain less than 12 kg of gas in Division 2.2 or less than 12 litres ammonia solution (UN 2672).
- 122 The subsidiary ~~hazards~~[risks](#), control and emergency temperatures if any, and the generic entry number for each of the currently assigned organic peroxide formulations are given in 2.5.3.2.4, 4.1.4.2 packing instruction IBC520 and 4.2.5.2.6 portable tank instruction T23.
- 123 Subject to these Regulations only when transported by air or by sea.
- 127 Other inert material or inert material mixture may be used at the discretion of the competent authority, provided this inert material has identical phlegmatizing properties.
- 131 The phlegmatized substance shall be significantly less sensitive than dry PETN.
- 132 During the course of transport, this substance shall be protected from direct sunshine and stored (or kept) in a cool and well-ventilated place, away from all sources of heat.
- 133 If over-confined in packagings, this substance may exhibit explosive behaviour. Packagings authorized under packing instruction P409 are intended to prevent over-confinement. When a packaging other than those prescribed under packing instruction P409 is authorized by the competent authority of the country of origin in accordance with 4.1.3.7, the package shall bear an “EXPLOSIVE” subsidiary ~~hazard~~[risk](#)-label (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 5.4.1.5.5.1). The provisions of 7.1.3.1 shall also be then considered.
- 135 The dihydrated sodium salt of dichloroisocyanuric acid does not meet the criteria for inclusion in Division 5.1 and is not subject to these Regulations unless meeting the criteria for inclusion in another Class or Division.
- 138 p-Bromobenzyl cyanide is not subject to these Regulations.
- 141 Products which have undergone sufficient heat treatment so that they present no hazard during transport are not subject to these Regulations.
- 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 these Regulations.

- 144 An aqueous solution containing not more than 24% alcohol by volume is not subject to these Regulations.
- 145 Other than for air transport, alcoholic beverages of packing group III, when carried in receptacles of 250 litres or less, are not subject to these Regulations.
- 146 Other than for air and sea transport, alcoholic beverages of packing group II, when carried in receptacles of 5 litres or less, are not subject to these Regulations.
- 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 as required by 2.1.3.
- 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.
- 163 A substance specifically listed by name in the Dangerous Goods List of Chapter 3.2 shall not be transported under this entry. Materials transported 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 transport is not subject to these Regulations. Manufactured articles containing asbestos and not meeting this provision are nevertheless not subject to these Regulations when packed so that no escape of hazardous quantities of respirable asbestos fibres can occur during transport.
- 169 Phthalic anhydride in the solid state and tetrahydrophthalic anhydrides, with not more than 0.05% maleic anhydride, are not subject to these Regulations. Phthalic anhydride molten at a temperature above its flash point, with not more than 0.05% maleic anhydride, shall be classified under UN 3256.
- 172 Where a radioactive material has (a) subsidiary ~~risk~~hazard(s):
- (a) The substance shall be allocated to Packing Group I, II or III, if appropriate, by application of the packing group criteria provided in Part 2 corresponding to the nature of the predominant subsidiary ~~hazard~~risk;
  - (b) Packages shall be labelled with subsidiary ~~hazard~~risk labels corresponding to each subsidiary ~~risk~~hazard exhibited by the material; corresponding placards shall be affixed to cargo transport units in accordance with the relevant provisions of 5.3.1;
  - (c) For the purposes of documentation and package marking, the proper shipping name shall be supplemented with the name of the constituents which most predominantly contribute to this (these) subsidiary ~~hazard~~risk(s) and which shall be enclosed in parenthesis;
  - (d) The dangerous goods transport document shall indicate the subsidiary class or division and, where assigned the packing group as required by 5.4.1.4.1(d) and (e).

For packing, see also 4.1.9.1.5.

- 177 Barium sulphate is not subject to these Regulations.

- 178 This designation shall be used only when no other appropriate designation exists in the Dangerous Goods List of Chapter 3.2, and only with the approval of the competent authority of the country of origin.
- 179 *Deleted.*
- 181 Packages containing this type of substance shall bear the “EXPLOSIVE” subsidiary ~~hazard risk~~-label (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 5.4.1.5.5.1). The provisions of 7.1.3.1 shall also be considered.
- 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.~~*Deleted.*
- 188 Cells and batteries offered for transport are not subject to other provisions of these Regulations 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 2.9.4 (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 electrically conductive material~~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 transport (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) Each package shall be marked with the appropriate lithium battery mark, as illustrated at 5.2.1.9;

***NOTE 1:** The provisions concerning marking in special provision 188 of the eighteenth revised edition of the United Nations Recommendations on the Transport of Dangerous Goods, Model Regulations may continue to be applied until 31 December 2018.*

***NOTE 2:** Packages containing lithium batteries packed in conformity with the provisions of Part 4, Chapter 11, packing instructions 965 or 968, Section IB of the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air that bear the mark as shown in 5.2.1.9 (lithium battery mark) and the label shown in 5.2.2.2.2, Model No.9A shall be deemed to meet the provisions of this special provision.*

This requirement does not apply to:

- (i) packages containing only button cell batteries installed in equipment (including circuit boards); and
- (ii) packages containing no more than four cells or two batteries installed in equipment, where there are not more than two packages in the consignment.

When packages are placed in an overpack, the lithium battery mark shall either be clearly visible or be reproduced on the outside of the overpack and the overpack shall be marked with the word "OVERPACK". The lettering of the "OVERPACK" mark shall be at least 12 mm high.

- (g) 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
- (h) Except when batteries are installed in or packed with equipment, packages shall not exceed 30 kg gross mass.

As used above and elsewhere in these Regulations, "lithium content" means the mass of lithium in the anode of a lithium metal or lithium alloy cell. As used in this special provision "equipment" means apparatus for which the lithium cells or batteries will provide electrical power for its operation.

Separate entries exist for lithium metal batteries and lithium ion batteries to facilitate the transport of these batteries for specific modes of transport and to enable the application of different emergency response actions.

A single cell battery as defined in Part III, sub-section 38.3.2.3 of the *Manual of Tests and Criteria* is considered a "cell" and shall be transported according to the requirements for "cells" for the purpose of this special provision.

- 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 these Regulations.
- 191 Receptacles, small, containing gas are not fitted with a release device. Receptacles with a capacity not exceeding 50 ml containing only non-toxic constituents are not subject to these Regulations.

- 193 ~~This entry may only be used for ammonium nitrate based compound fertilizers. They shall be classified in accordance with the procedure as set out in the Manual of Tests and Criteria, Part III, Section 39. Fertilizers meeting the criteria for this UN number are only subject to these Regulations when transported by air or sea. This entry may only be used for uniform ammonium nitrate based fertilizer mixtures of the nitrogen, phosphate or 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. Fertilizers within these composition limits are only subject to these Regulations when transported by air or sea and are not subject to these Regulations if shown by a Trough Test (see *Manual of Tests and Criteria*, Part III, sub-section 38.2) not to be liable to self-sustaining decomposition.~~
- 194 The control and emergency temperatures, if any, and the generic entry number for each of the currently assigned self-reactive substances are given in 2.4.2.3.2.3.
- 195 For certain organic peroxides types B or C, a smaller packaging than that allowed by packing methods OP5 or OP6 respectively has to be used (see 4.1.7 and 2.5.3.2.4).
- 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 transported 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 transported under the provisions of Division 5.2; see 2.5.3.2.4.
- 198 Nitrocellulose solutions containing not more than 20% nitrocellulose may be transported 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 these Regulations unless they meet the criteria for inclusion in another hazard class or division.
- 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 transport. 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.
- 203 This entry shall not be used for polychlorinated biphenyls, UN 2315.
- 204 Articles containing smoke-producing substance(s) corrosive according to the criteria for Class 8 shall be labelled with a "CORROSIVE" subsidiary ~~risk~~-hazard label (Model No 8, see 5.2.2.2.2).

Articles containing smoke-producing substance(s) toxic by inhalation according to the criteria for Division 6.1 shall be labelled with a "TOXIC" subsidiary ~~risk~~-hazard label (Model No 6.1, see 5.2.2.2.2), except that those manufactured before 31 December

2016 may be transported until 1 January 2019 without a “TOXIC” subsidiary [hazard](#) label.

- 205 This entry shall not be used for UN 3155 PENTACHLOROPHENOL.
- 206 This entry is not intended to include ammonium permanganate, the transport of which is prohibited except with special authorization granted by the competent authorities.
- 207 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 these Regulations.
- 209 The gas shall be at a pressure corresponding to ambient atmospheric pressure at the time the containment system is closed and this shall not exceed 105 kPa absolute.
- 210 Toxins from plant, animal or bacterial sources which contain infectious substances, or toxins that are contained in infectious substances, shall be classified in Division 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 2.4.2.3.2.3). Homogeneous mixtures containing not more than 35% by mass of azodicarbonamide and at least 65% of inert substance are not subject to these Regulations unless criteria of other classes or divisions are met.
- 216 Mixtures of solids which are not subject to these Regulations and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or cargo transport unit is closed. Each cargo transport unit shall be leakproof when used as a bulk packaging. 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 these Regulations provided there is no free liquid in the packet or article.
- 217 Mixtures of solids which are not subject to these Regulations and toxic liquids may be transported under this entry without first applying the classification criteria of Division 6.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or cargo transport unit is closed. Each cargo transport unit shall be leakproof when used as a bulk packaging. This entry shall not be used for solids containing a packing group I liquid.
- 218 Mixtures of solids which are not subject to these Regulations and corrosive liquids may be transported 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 or cargo transport unit is closed. Each cargo transport unit shall be leakproof when used as a bulk packaging.

- 219 Genetically modified microorganisms (GMMOs) and genetically modified organisms (GMOs) packed and marked in accordance with packing instruction P904 are not subject to any other requirements in these Regulations.

If GMMOs or GMOs meet the definition in Chapter 2.6 of a toxic substance or an infectious substance and the criteria for inclusion in Division 6.1 or 6.2 the requirements in these Regulations for transporting toxic substances or infectious substances apply.

- 220 The technical name of the flammable liquid component only 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.
- 223 If the chemical or physical properties of a substance covered by this description are such that when tested it does not meet the established defining criteria for the class or division listed in Column 3 of the Dangerous Goods List of Chapter 3.2, or any other class or division, it is not subject to these Regulations.
- 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 Division 1.4C or 1.4S), without changing the classification of Division 2.2 provided the total quantity of deflagrating (propellant) explosives does not exceed 3.2 g per extinguishing unit. Fire extinguishers shall be manufactured, tested, approved and labelled according to the provisions applied in the country of manufacture.

**NOTE:** *“Provisions applied in the country of manufacture” means the provisions applicable in the country of manufacture or those applicable in the country of use.*

Fire extinguishers under this entry include:

- (a) Portable fire extinguishers for manual handling and operation;
- (b) Fire extinguishers for installation in aircraft;
- (c) Fire extinguishers mounted on wheels for manual handling;
- (d) Fire extinguishing equipment or machinery mounted on wheels or wheeled platforms or units transported similar to (small) trailers, and
- (e) Fire extinguishers composed of a non-rollable pressure drum and equipment, and handled e.g. by fork lift or crane when loaded or unloaded.

**NOTE:** *Pressure receptacles which contain gases for use in the above-mentioned extinguishers or for use in stationary fire-fighting installations shall meet the requirements in Chapter 6.2 and all requirements applicable to the relevant dangerous goods when these pressure receptacles are transported separately.*

- 226 Formulations of these substances containing not less than 30% non-volatile, non-flammable phelmatizer are not subject to these Regulations.

- 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 (Division 2.1) shall be transported under UN 3163.
- 230 Lithium cells and batteries may be transported under this entry if they meet the provisions of 2.9.4.
- 232 This designation shall only be used when the substance does not meet the criteria of any other class. Transport in cargo transport units other than in multimodal tanks shall be in accordance with standards specified by the competent authorities of the country of origin.
- 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 to enhance safety in vehicles, vessels or aircraft – e.g. air bag inflators, air bag modules, seat-belt pretensioners, and pyromechanical devices.
- 236 Polyester resin kits consist of two components: a base material (either Class 3 or Division 4.1, packing group II or III) and an activator (organic peroxide). The organic peroxide shall be type D, E, or F, not requiring temperature control. The packing group shall be II or III, according to the criteria of either Class 3 or Division 4.1, as appropriate, applied to the base material. The quantity limit shown in column 7a of the Dangerous Goods List 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 transport, 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 transported are not subject to the provisions of these Regulations applicable to flammable solids in Division 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  $95 \pm 5$  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  $24 \text{ }^\circ\text{C} \pm 4 \text{ }^\circ\text{C}$  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.

**NOTE:** *Non-spillable type batteries which are an integral part of and necessary for the operation of mechanical or electronic equipment, shall be*

*securely fastened in the battery holder on the equipment and protected in such a manner as to prevent damage and short circuits.*

- (b) Non-spillable batteries are not subject to these Regulations 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, when packaged for transport, the terminals are protected from short circuit.

- 239 Batteries or cells shall not contain dangerous goods other than sodium, sulphur or sodium compounds (e.g. sodium polysulphides and sodium tetrachloroaluminate). Batteries or cells shall not be offered for transport 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.

Cells shall consist of hermetically sealed metal casings which fully enclose the dangerous goods and which are so constructed and closed as to prevent the release of the dangerous goods under normal conditions of transport.

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 goods under normal conditions of transport.

Except for air transport, batteries installed in vehicles (UN 3171) are not subject to these Regulations.

- 240 ~~This entry 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. Lithium batteries shall meet the requirements of 2.9.4, except when otherwise provided for in these Regulations (e.g. for prototype batteries and small production runs under special provision 310 or damaged batteries under special provision 376).~~

~~— For the purpose of this special provision, 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 motoreycles, trucks, locomotives, bicycles (pedal cycles with an electric motor) and other vehicles of this type (e.g. self-balancing vehicles or vehicles not equipped with at least one seating position), wheel chairs, lawn tractors, self-propelled farming and construction equipment, boats and aircraft. This includes vehicles transported in a packaging. In this case some parts of the vehicle may be detached from its frame to fit into the packaging.~~

~~— 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 consigned 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 consigned under the entries UN 3166 VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED or UN 3166 VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED, as appropriate.~~

~~Vehicles may contain other dangerous goods than batteries (e.g. fire extinguishers, compressed gas accumulators or safety devices) required for their functioning or safe operation without being subject to any additional requirements for these other dangerous goods, unless otherwise specified in these Regulations. Deleted.~~

- 241 The formulation shall be prepared so that it remains homogeneous and does not separate during transport. 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 N.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 these Regulations.
- 242 Sulphur is not subject to these Regulations 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.

Before loading, these by-products shall be cooled to ambient temperature, unless they have been calcined to remove moisture. Cargo transport units containing bulk loads shall be adequately ventilated and protected against ingress of water throughout the journey.

Notwithstanding the provisions of 4.3.2.2, sheeted bulk containers (BK1) may be used for inland transport.

- 246 This substance shall be packed in accordance with packing method OP6 (see applicable packing instruction). During transport, it shall be protected from direct sunshine and stored (or kept) in a cool and well-ventilated place, away from all sources of heat.
- 247 Alcoholic beverages containing more than 24% alcohol but not more than 70% by volume, when transported as part of the manufacturing process, may be transported 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 transported with the bungholes pointing upwards;
  - (d) The wooden barrels shall be transported in containers meeting the requirements of the International Convention for Safe Containers (CSC), 1972, as amended. 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 transport.
- 249 Ferrocium, stabilized against corrosion, with a minimum iron content of 10% is not subject to these Regulations.

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 transport 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 transported 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 International Civil Aviation Organization's Technical Instructions for the Safe Transport of Dangerous Goods by Air; and
- (b) During transport it shall be accompanied by a copy of the document of approval for transport, showing the quantity limitations and the packing provisions.

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 or testing or repair purposes.

Such kits shall only contain dangerous goods that are permitted as:

(a) Excepted quantities not exceeding the quantity indicated by the code in column (7b) of the Dangerous Goods List of Chapter 3.2, provided that the net quantity per inner packaging and net quantity per package are as prescribed in 3.5.1.2 and 3.5.1.3; or;

(b) Limited quantities as indicated in column (7a) of the Dangerous Goods List of Chapter 3.2, provided that the net quantity per inner packaging does not exceed 250 ml or 250 g. ~~Such kits may not contain dangerous goods for which the quantity "0" has been indicated in column 7a of the Dangerous Goods List of Chapter 3.2.~~

Components shall not react dangerously (see 4.1.1.6). 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.~~

For the purposes of completion of the dangerous goods transport document as set out in 5.4.1.4.1, the packing group shown on the document shall be the most stringent packing group assigned to any individual substance in the kit. Where the kit contains only dangerous goods to which no packing group is assigned, no packing group need be indicated on the dangerous goods transport document.

Kits which are carried on board vehicles for first-aid or operating purposes are not subject to these Regulations.

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 the Dangerous Goods List of Chapter 3.2 may be transported in accordance with Chapter 3.4.

252 Provided the ammonium nitrate remains in solution under all conditions of transport, aqueous solutions of ammonium nitrate, with not more than 0.2% combustible material, in a concentration not exceeding 80%, are not subject to these Regulations.



- 266 This substance, when containing less alcohol, water or phlegmatizer than specified, shall not be transported unless specifically authorized by the competent authority.
- 267 Any explosives, blasting, type C containing chlorates shall be segregated from explosives containing ammonium nitrate or other ammonium salts.
- 270 Aqueous solutions of Division 5.1 inorganic solid nitrate substances are considered as not meeting the criteria of Division 5.1 if the concentration of the substances in solution at the minimum temperature encountered in transport 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 Division 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 transport. Mixtures containing at least 98%, by mass, of phlegmatizer are not subject to these Regulations. Packages containing mixtures with not less than 90%, by mass, of phlegmatizer need not bear a TOXIC subsidiary ~~risk~~ [hazard](#) label.
- 272 This substance shall not be transported under the provisions of Division 4.1 unless specifically authorized by the competent authority (see UN 0143 or UN 0150 as appropriate).
- 273 Maneb and maneb preparations stabilized against self-heating need not be classified in Division 4.2 when it can be demonstrated by testing that a cubic volume of 1 m<sup>3</sup> 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 For the purposes of documentation and package marking, the proper shipping name shall be supplemented with the technical name (see 3.1.2.8).
- 276 This includes any substance which is not covered by any of the other classes but which has narcotic, noxious or other properties such that, in the event of spillage or leakage on an aircraft, annoyance or discomfort could be caused to crew members so as to prevent the correct performance of assigned duties.
- 277 For aerosols or receptacles containing toxic substances the limited quantity value is 120 ml. For all other aerosols or receptacles the limited quantity value is 1 000 ml.
- 278 These substances shall not be classified and transported 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 transport (see 2.1.3.1). The competent authority shall assign the packing group on the basis of the Chapter 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 these regulations.
- 280 This entry applies to safety devices for vehicles, vessels or aircraft, e.g. air bag inflators, air bag modules, seat-belt pretensioners, and pyromechanical devices, which contain dangerous goods of Class 1 or of other classes, when transported as component parts and if these articles as presented for transport 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 emergency response efforts in the immediate vicinity. This entry does not apply to life saving appliances described in special provision 296 (UN Nos. 2990 and 3072).

- 281 The transport by sea of hay, straw or bhusa, wet, damp or contaminated with oil shall be prohibited. Transport by other modes is also prohibited except with special authorization by the competent authorities.  
Hay, straw and bhusa, when not wet, damp or contaminated with oil, are subject to these Regulations only when transported by sea.
- 283 Articles, containing gas, intended to function as shock absorbers, including impact energy-absorbing devices, or pneumatic springs are not subject to these Regulations provided each article:
- (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 litre gas space and 160 bar charge pressure, 1 litre gas space and 80 bar charge pressure, 1.6 litre gas space and 50 bar charge pressure, 0.28 litre 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 litre gas space capacity and 5 times charge pressure for products greater than 0.5 litre 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 pressure in the article is relieved 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.
- 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 transported under this entry when excluded from Class 1 in accordance with 2.1.1.1 (b) of these Regulations;
  - (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; and
  - (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 these Regulations when contained individually in an article or a sealed packet.
- 288 These substances shall not be classified and transported unless authorized by the competent authority on the basis of results from Series 2 tests and a Series 6(c) test of the *Manual of Tests and Criteria* on packages as prepared for transport (see 2.1.3.1).

289 Safety devices, electrically initiated and safety devices, pyrotechnic installed in vehicles, vessels or aircraft or in completed components such as steering columns, door panels, seats, etc. are not subject to these Regulations.

290 When this radioactive material meets the definitions and criteria of other classes or divisions 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 1.5.1.5 shall apply without reference to the other class or division;

(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~~hazard. The dangerous goods 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 in the Dangerous Goods List of Chapter 3.2, and the substance shall be transported in accordance with the provisions applicable to that UN number. An example of the information shown on the dangerous goods transport document is:

UN 1993, Flammable liquid, n.o.s. (ethanol and toluene mixture), Radioactive material, excepted package – limited quantity of material, Class 3, PG II.

In addition, the requirements of 2.7.2.4.1 shall apply.

(c) The provisions of Chapter 3.4 for the transport 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 1.5.1.5 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 transport. Refrigerating machines and refrigerating-machine components are considered not subject to these Regulations 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 that~~ 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.
- 294 Safety matches and wax “Vesta” matches in outer packagings not exceeding 25 kg net mass are not subject to any other requirement (except marking) of these Regulations when packaged in accordance with packing instruction P407.
- 295 Batteries need not be individually marked and labelled if the pallet bears the appropriate mark and label.
- 296 These entries apply for life-saving appliances such as life rafts, personal flotation devices and self-inflating slides. UN 2990 applies for self-inflating appliances and UN 3072 applies for 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 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) Division 2.2 compressed or liquefied gases;
  - (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.: Class 3, Division 4.1, Division 5.2, Class 8 or Class 9 substances); 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 Division 2.2 compressed or liquefied gases with no subsidiary risk in receptacles with a capacity not exceeding 120 ml, installed solely for the purpose of the activation of the appliance, are not subject to these Regulations.

- 297 *Deleted.*
- 299 Consignments of COTTON, DRY having a density not less than 360 kg/m<sup>3</sup> according to ISO 8115:1986 “Cotton bales – Dimensions and density” are not subject to these Regulations when transported in closed cargo transport units.
- 300 Fish meal, fish scrap and krill meal shall not be transported if the temperature at the time of loading exceeds 35 °C or 5 °C above the ambient temperature whichever is higher.
- 301 This entry only applies to machinery or apparatus containing dangerous [substances](#) [goods](#) as a residue or an integral element of the machinery or apparatus. It shall not be used for machinery or apparatus for which a proper shipping name already exists in the Dangerous Goods List of Chapter 3.2. Machinery and apparatus transported under this entry shall only contain dangerous goods which are authorized to be transported in accordance with the provisions of Chapter 3.4 (Limited quantities). The quantity of dangerous goods in machinery or apparatus shall not exceed the quantity specified in Column 7a of the Dangerous Goods List of Chapter 3.2 for each item of dangerous goods contained. [If the machinery or apparatus contains more than one item of](#)

~~dangerous goods, the individual dangerous goods shall be enclosed to prevent them reacting dangerously with one another during transport (see 4.1.1.6). If the machinery or apparatus contains more than one item of dangerous goods, the individual substances shall not be capable of reacting dangerously with one another (see 4.1.1.6).~~ When it is required to ensure liquid dangerous goods remain in their intended orientation, package orientation labels meeting the specifications of ISO 780:1997 shall be affixed on at least two opposite vertical sides with the arrows pointing in the correct direction.

The competent authority may exempt from regulation machinery or apparatus which would otherwise be transported under this entry. ~~The transport of dangerous goods in machinery or apparatus where the quantity of dangerous goods exceeds the quantity specified in Column 7a of the Dangerous Goods List of Chapter 3.2 is authorized when approved by the competent authority, except where special provision 363 applies.~~

- 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 division and, if any, subsidiary hazard of the gas or mixture of gases contained therein determined in accordance with the provisions of Chapter 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 the addition of an appropriate amount of water to the individual cells.
- 305 These substances are not subject to these Regulations when in concentrations of not more than 50 mg/kg.
- 306 This entry may only be used for substances that are too insensitive for acceptance into Class 1 when tested in accordance with Test Series 2 (see Manual of Tests and Criteria, Part I).
- 307 ~~This entry may only be used for ammonium nitrate based fertilizers. They shall be classified in accordance with the procedure as set out in the Manual of Tests and Criteria, Part III, Section 39. 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%.~~
- 308 Stabilization of fishmeal shall be achieved to prevent spontaneous combustion by effective application of ethoxyquin, BHT (butylated hydroxytoluene) or tocopherols (also used in a blend with rosemary extract) at the time of production. The said application shall occur within twelve months prior to shipment. Fish scrap or fish meal

~~shall contain at least 50 ppm (mg/kg) of ethoxyquin, 100 ppm (mg/kg) of BHT or 250 ppm (mg/kg) of tocopherol based antioxidant at the time of consignment. Fish scrap or fish meal shall contain at least 100 ppm of antioxidant (ethoxyquin) at the time of consignment.~~

- 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 Tests 8(a), (b) and (c) of 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 the Manual of Tests and Criteria, part III sub-section 38.3 do not apply to production runs, consisting of not more than 100 cells ~~and or~~ batteries, or to pre-production prototypes of cells ~~and or~~ batteries when these prototypes are transported for testing when packaged in accordance with packing instruction P910 of 4.1.4.1 or LP905 of 4.1.4.3, as applicable.

The transport document shall include the following statement: "Transport in accordance with special provision 310".

Damaged or defective cells, batteries, or cells and batteries contained in equipment shall be transported in accordance with special provision 376 and packaged in accordance with packing instructions P908 of 4.1.4.1 or LP904 of 4.1.4.3, as applicable.

Cells, batteries or cells and batteries contained in equipment transported for disposal or recycling may be packaged in accordance with special provision 377 and packing instruction P909 of 4.1.4.1.

- 311 Substances shall not be transported 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 transport.

- 312 ~~Vehicles powered by a fuel cell engine shall be consigned under the entries UN No. 3166 VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED or UN No. 3166 VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED, as appropriate. These entries include hybrid electric vehicles powered by both a fuel cell and an internal combustion engine with wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries, transported with the battery(ies) installed.~~

~~Other vehicles which contain an internal combustion engine shall be consigned under the entries UN 3166 VEHICLE, FLAMMABLE GAS POWERED or UN 3166 VEHICLE, FLAMMABLE LIQUID POWERED, as appropriate. These entries include 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.~~

~~Lithium batteries shall meet the requirements of 2.9.4, except when otherwise provided for in these Regulations (e.g. for prototype batteries and small production runs under special provision 310 or damaged batteries under special provision 376). Deleted.~~

- 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 transport, 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 Division 6.1 substances which meet the inhalation toxicity criteria for packing group I described in 2.6.2.2.4.3.
- 316 This entry applies only to calcium hypochlorite, dry, when transported in non friable tablet form.
- 317 “Fissile-excepted” applies only to those fissile material and packages containing fissile material which are excepted in accordance with 2.7.2.3.5.
- 318 For the purposes of documentation, the proper shipping name shall be supplemented with the technical name (see 3.1.2.8). Technical names need not be shown on the package. When the infectious substances to be transported are unknown, but suspected of meeting the criteria for inclusion in category A and assignment to UN 2814 or UN 2900, the words “suspected category A infectious substance” shall be shown, in parentheses, following the proper shipping name on the transport document, but not on the outer packagings.
- 319 Substances packed and marked in accordance with packing instruction P650 are not subject to any other requirements in these Regulations.
- 320 Deleted.
- 321 These storage systems shall always be considered as containing hydrogen.
- 322 When transported in non-friable tablet form, these goods are assigned to packing group III.
- 323 The label conforming to the model prescribed in the 13th revised edition of the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, may be used until 31 December 2010.
- 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 2978.
- 326 In the case of fissile uranium hexafluoride, the material shall be classified under UN 2977.
- 327 Waste aerosols consigned in accordance with 5.4.1.4.3 (c) may be transported under this entry for the purposes of reprocessing or disposal. They need not be protected

against movement and 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 P207 and special provision PP87, or packing instruction LP200 and special packing provision L2. Leaking or severely deformed aerosols shall be transported in salvage packagings provided appropriate measures are taken to ensure there is no dangerous build up of pressure. Waste aerosols shall not be transported in closed freight 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 controls 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 transport.

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 *Deleted.*

330 *Deleted.*

- 331 For environmentally hazardous substances meeting the criteria of 2.9.3, an additional mark as specified in 5.2.1.6 and 5.3.2.3 shall be applied.

332 Magnesium nitrate hexahydrate is not subject to these Regulations.

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 transport.

335 Mixtures of solids which are not subject to these Regulations and environmentally hazardous liquids or solids shall be classified as UN 3077 and may be transported under this entry, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or cargo transport unit is closed. Each cargo transport unit shall be leakproof when used as a bulk container. If free liquid is visible at the time the mixture is loaded or at the time the packaging or cargo transport unit 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 these Regulations.



- 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 A<sub>2</sub>.
- 337 Type B(U) and Type B(M) packages, if transported 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 A<sub>1</sub> or 100 000 A<sub>2</sub>, whichever is the lower; or
  - (c) For all other radioactive material: 3 000 A<sub>2</sub>.
- 338 Each fuel cell cartridge transported 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 6.2.4.1.
- 339 Fuel cell cartridges containing hydrogen in a metal hydride transported 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 two times 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 transport. 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 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  $15\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$ , 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 megapascals (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 the Dangerous Goods List of Chapter 3.2 may be transported in accordance with Chapter 3.5. Division 5.2 substances, although not individually authorized as excepted quantities in the Dangerous Goods List of Chapter 3.2, are authorized in such kits and are assigned Code E2 (see 3.5.1.2).

341 Bulk transport of infectious substances in BK1 and BK2 bulk containers is only permitted for infectious substances contained in animal material as defined in 1.2.1 (see 4.3.2.4.1).

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 transported in accordance with the provisions in Chapter 3.5, irrespective of the indication of "E0" in column 7b of the Dangerous Goods List 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 transported 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 6.2.4 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 these Regulations provided each receptacle is transported 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 P203 and containing no dangerous goods except for UN 1977, nitrogen, refrigerated liquid, which is fully absorbed in a porous material are not subject to any other requirements of these Regulations.
- 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 transport. 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 transport.
- 351 Ammonium chlorate and its aqueous solutions and mixtures of a chlorate with an ammonium salt are not to be accepted for transport.
- 352 Ammonium chlorite and its aqueous solutions and mixtures of a chlorite with an ammonium salt are not to be accepted for transport.
- 353 Ammonium permanganate and its aqueous solutions and mixtures of a permanganate with an ammonium salt are not to be accepted for transport.
- 354 This substance is toxic by inhalation.
- 355 Oxygen cylinders for emergency use transported under this entry may include installed actuating cartridges (cartridges, power device of Division 1.4, Compatibility Group C or S), without changing the classification of Division 2.2 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 transport shall have an effective means of preventing inadvertent activation.
- 356 Metal hydride storage systems installed in vehicles, vessels or aircrafts or in completed components or intended to be installed in vehicles, vessels or aircrafts shall be approved by the competent authority before acceptance for transport. The transport document shall include an indication that the package was approved by the competent authority or a copy of the competent authority 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 3064 provided all the requirements of packing instruction P300 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 0144 if not all the requirements of packing instruction P300 are complied with.
- 360 Vehicles only powered by lithium metal batteries or lithium ion batteries shall be consigned 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 these Regulations. 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 or division of dangerous goods, shall meet the following conditions:

- (a) Capacitors not installed in equipment shall be transported in an uncharged state. Capacitors installed in equipment shall be transported either in an uncharged state or protected against short circuit;
- (b) Each capacitor shall be protected against a potential short circuit hazard in transport as follows:
  - (i) When a capacitor's energy storage capacity is less than or equal to 10Wh 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 safely relieve 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 manufactured after 31 December 2013, shall be marked with the energy storage capacity in Wh.

Capacitors containing an electrolyte not meeting the classification criteria of any class or division of dangerous goods, including when installed in equipment, are not subject to other provisions of these Regulations.

Capacitors containing an electrolyte meeting the classification criteria of any class or division of dangerous goods, with an energy storage capacity of 10 Wh or less are not subject to other provisions of these Regulations 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 or division of dangerous goods that are not installed in equipment and with an energy storage capacity of more than 10 Wh are subject to these Regulations.

Capacitors installed in equipment and containing an electrolyte meeting the classification criteria of any class or division of dangerous goods, are not subject to other provisions of these Regulations 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 transport. Large robust equipment containing capacitors may be offered for transport 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.*

- 362 This entry applies to liquids, pastes or powders, pressurized with a propellant which meets the definition of a gas in 2.2.1.1 and 2.2.1.2 (a) or (b).

**NOTE:** *A chemical under pressure in an aerosol dispenser shall be transported under UN 1950.*

The following provisions shall apply:

- (a) The chemical under pressure shall be classified based on the hazard characteristics of the components in the different states:

- The propellant;
- The liquid; or
- The solid.

If one of these components, which can be a pure substance or a mixture, needs to be classified as flammable, the chemical under pressure shall be classified as flammable in Division 2.1. 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 2.4.2.2 of these Regulations;
  - (iii) A flammable gas is a gas which meets the criteria in 2.2.2.1 of these Regulations;
- (b) Gases of Division 2.3 and gases with a subsidiary [risk-hazard](#) of 5.1 shall not be used as a propellant in a chemical under pressure;
- (c) Where the liquid or solid components are classified as dangerous goods of Division 6.1, packing groups II or III, or Class 8, packing groups II or III, the chemical under pressure shall be assigned a subsidiary [risk-hazard](#) of Division 6.1 or Class 8 and the appropriate UN number shall be assigned. Components classified in Division 6.1, packing group I, or Class 8, packing group I, shall not be used for transport under this proper shipping name;
- (d) In addition, chemicals under pressure with components meeting the properties of : Class 1, explosives; Class 3, liquid desensitized explosives; Division 4.1, self-reactive substances and solid desensitized explosives; Division 4.2, substances liable to spontaneous combustion; Division 4.3, substances which, in contact with water, emit flammable gases; Division 5.1 oxidizing substances; Division 5.2, organic peroxides; Division 6.2, Infectious substances or Class 7, Radioactive material, shall not be used for transport under this proper shipping name;
- (e) Substances to which PP86 or TP7 are assigned in Column 9 and Column 11 of the Dangerous Goods List in Chapter 3.2 and therefore require air to be eliminated from the vapour space, shall not be used for transport under this UN

number but shall be transported under their respective UN numbers as listed in the Dangerous Goods List of Chapter 3.2.

363 [This entry may only be used when the conditions of this special provision are met. No other requirements of these Regulations apply.](#)

- (a) This entry applies to engines or machinery, powered by fuels classified as dangerous goods via internal combustion systems or fuel cells (e.g. combustion engines, generators, compressors, turbines, heating units, etc.), except those which are assigned under UN No. 3166 or UN No. 3363.
- (b) Engines or machinery which are empty of liquid or gaseous fuels and which do not contain other dangerous goods, are not subject to these Regulations.

*NOTE 1: An engine or machinery is considered to be empty of liquid fuel when the liquid fuel tank has been drained and the engine or machinery cannot be operated due to a lack of fuel. Engine or machinery components such as fuel lines, fuel filters and injectors do not need to be cleaned, drained or purged to be considered empty of liquid fuels. In addition, the liquid fuel tank does not need to be cleaned or purged.*

*NOTE 2: An engine or machinery is considered to be empty of gaseous fuels when the gaseous fuel tanks are empty of liquid (for liquefied gases), the positive pressure in the tanks does not exceed 2 bar and the fuel shut-off or isolation valve is closed and secured.*

- (c) Engines and machinery containing fuels meeting the classification criteria of Class 3, shall be consigned under the entries UN No. 3528 ENGINE, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED or UN No. 3528 ENGINE, FUEL CELL, FLAMMABLE LIQUID POWERED or UN No. 3528 MACHINERY, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED or UN No. 3528 MACHINERY, FUEL CELL, FLAMMABLE LIQUID POWERED, as appropriate.
- (d) Engines and machinery containing fuels meeting the classification criteria of Division 2.1, shall be consigned under the entries UN No. 3529 ENGINE, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED or UN No. 3529 ENGINE, FUEL CELL, FLAMMABLE GAS POWERED or UN No. 3529 MACHINERY, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED or UN No. 3529 MACHINERY, FUEL CELL, FLAMMABLE GAS POWERED, as appropriate.

Engines and machinery powered by both a flammable gas and a flammable liquid shall be consigned under the appropriate UN No. 3529 entry.

- (e) Engines and machinery containing liquid fuels meeting the classification criteria of 2.9.3 for environmentally hazardous substances and not meeting the classification criteria of any other Class or Division, shall be consigned under the entries UN No. 3530 ENGINE, INTERNAL COMBUSTION or UN No. 3530 MACHINERY, INTERNAL COMBUSTION, as appropriate.
- (f) Engines or machinery may contain other dangerous goods than fuels (e.g. batteries, fire extinguishers, compressed gas accumulators or safety devices) required for their functioning or safe operation without being subject to any additional requirements for these other dangerous goods, unless otherwise specified in these Regulations. [However, lithium batteries shall meet the provisions of 2.9.4, except that 2.9.4 \(a\) does not apply when pre-production](#)

prototype batteries or batteries of a small production run, consisting of not more than 100 batteries, are installed in machinery or engines.

Where a lithium battery installed in a machinery or an engine is damaged or defective, the machinery or engine shall be transported as defined by the competent authority.~~However, lithium batteries shall meet the requirements of 2.9.4, except when otherwise specified by these Regulations (e.g. for prototype batteries and small production runs under special provision 310 or damaged batteries under special provision 376).~~

~~(g) The engines or machinery are not subject to any other requirements of these Regulations if the following requirements are met:~~

~~(g)~~ The engine or machinery, including the means of containment containing dangerous goods, shall be in compliance with the construction requirements specified by the competent authority;

~~(h)~~ Any valves or openings (e.g. venting devices) shall be closed during transport;

~~(i)~~ The engines or machinery shall be oriented to prevent inadvertent leakage of dangerous goods and secured by means capable of restraining the engines or machinery to prevent any movement during transport which would change the orientation or cause them to be damaged;

~~(j)~~ ~~for~~ For UN No. 3528 and UN No. 3530:

Where the engine or machinery contains more than 60 l of liquid fuel and has a capacity of not more than 450 l, the labelling requirements of 5.2.2 shall apply.

Where the engine or machinery contains more than 60 l of liquid fuel and has a capacity of more than 450 l but not more than 3 000 l, it shall be labelled on two opposing sides in accordance with 5.2.2.

Where the engine or machinery contains more than 60 l of liquid fuel and has a capacity of more than 3 000 l, it shall be placarded on two opposing sides in accordance with 5.3.1.1.2;

~~(k)~~ ~~for~~ For UN No. 3529:

Where the fuel tank of the engine or machinery has a water capacity of not more than 450 l, the labelling requirements of 5.2.2 shall apply.

Where the fuel tank of the engine or machinery has a water capacity of more than 450 l but not more than 1 000 l, it shall be labelled on two opposing sides in accordance with 5.2.2.

Where the fuel tank of the engine or machinery has a water capacity of more than 1 000 l, it shall be placarded on two opposing sides in accordance with 5.3.1.1.2;

~~(l)~~ A transport document in accordance with 5.4 is required, except for UN No. 3528 and UN No. 3530, where a transport document is only required when the engine or machinery contains more than 60 l of liquid fuels. This transport document shall contain the following additional statement “Transport in accordance with special provision 363<sup>22</sup>”;

(m) The requirements specified in packing instruction P005 of 4.1.4.1 shall be met.



364 This article may only be transported under the provisions of Chapter 3.4 if, as presented for transport, 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 3506.

366 For land and sea transport, manufactured instruments and articles containing not more than 1 kg of mercury are not subject to these Regulations. For air transport, articles containing not more than 15 g of mercury are not subject to these Regulations.

367 For the purposes of documentation and package marking:

The proper shipping name "Paint related material" may be used for consignments of packages containing "Paint" and "Paint related material" in the same package;

The proper shipping name "Paint related material, corrosive, flammable" may be used for consignments of packages containing "Paint, corrosive, flammable" and "Paint related material, corrosive, flammable" in the same package;

The proper shipping name "Paint related material, flammable, corrosive" may be used for consignments of packages containing "Paint, flammable, corrosive" and "Paint related material, flammable, corrosive" in the same package; and

The proper shipping name "Printing ink related material" may be used for consignments of packages containing "Printing Ink" and "Printing ink related material" in the same package.

368 In the case of non-fissile or fissile-excepted uranium hexafluoride, the material shall be classified under UN 3507 or UN 2978.

369 In accordance with 2.0.3.2, this radioactive material in an excepted package possessing toxic and corrosive properties is classified in Division 6.1 with ~~radioactive material~~radioactivity and corrosivity subsidiary ~~risks~~hazards.

Uranium hexafluoride may be classified under this entry only if the conditions of 2.7.2.4.1.2, 2.7.2.4.1.5, 2.7.2.4.5.2 and, for fissile-excepted material, of 2.7.2.3.65 are met.

In addition to the provisions applicable to the transport of Division 6.1 substances with a corrosivity subsidiary ~~risk~~hazard, the provisions of 5.1.3.2, 5.1.5.2.2, 5.1.5.4.1 (b), 7.1.8.5.1 to 7.1.8.5.4 and 7.1.8.6.1 shall apply.

No Class 7 label is required to be displayed.

370 This entry applies to:

- ammonium nitrate with more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any added substance; and
- ammonium nitrate with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any added substance, that gives a positive result when tested in accordance with Test Series 2 (see Manual of Tests and Criteria, Part I). See also UN No. 1942.

371 (1) This entry also applies to articles, containing a small pressure receptacle with a release device. Such articles shall comply with the following requirements:

- (a) The water capacity of the pressure receptacle shall not exceed 0.5 litres and the working pressure shall not exceed 25 bar at 15 °C;
  - (b) The minimum burst pressure of the pressure receptacle shall be at least four times the pressure of the gas at 15 °C;
  - (c) Each article shall be manufactured in such a way that unintentional firing or release is avoided under normal conditions of handling, packing, transport and use. This may be fulfilled by an additional locking device linked to the activator;
  - (d) Each article shall be manufactured in such a way as to prevent hazardous projections of the pressure receptacle or parts of the pressure receptacle;
  - (e) Each pressure receptacle shall be manufactured from material which will not fragment upon rupture;
  - (f) The design type of the article shall be subjected to a fire test. For this test, the provisions of paragraphs 16.6.1.2 except letter g, 16.6.1.3.1 to 16.6.1.3.6, 16.6.1.3.7 (b) and 16.6.1.3.8 of the Manual of Tests and Criteria shall be applied. It shall be demonstrated that the article relieves its pressure by means of a fire degradable seal or other pressure relief device, in such a way that the pressure receptacle will not fragment and that the article or fragments of the article do not rocket more than 10 metres;
  - (g) The design type of the article shall be subjected to the following test. A stimulating mechanism shall be used to initiate one article in the middle of the packaging. There shall be no hazardous effects outside the package such as disruption of the package, metal fragments or a receptacle which passes through the packaging.
- (2) The manufacturer shall produce technical documentation of the design type, manufacture as well as the tests and their results. The manufacturer shall apply procedures to ensure that articles produced in series are made of good quality, conform to the design type and are able to meet the requirements in (1). The manufacturer shall provide such information to the competent authority on request.

372 This entry applies to asymmetric 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 these Regulations.

Energy storage capacity means the energy stored in a capacitor, as calculated according to the following equation,

$$Wh = 1/2C_N(U_R^2 - U_L^2) \times (1/3600),$$

using the nominal capacitance ( $C_N$ ), rated voltage ( $U_R$ ) and rated lower limit voltage ( $U_L$ ).

All asymmetric capacitors to which this entry applies shall meet the following conditions:

- (a) Capacitors or modules shall be protected against short circuit;
- (b) Capacitors shall be designed and constructed to safely relieve 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 packaging or by equipment in which a capacitor is installed;

- (c) Capacitors manufactured after 31 December 2015, shall be marked with the energy storage capacity in Wh.
- (d) Capacitors containing an electrolyte meeting the classification criteria of any class or division of dangerous goods shall be designed to withstand a 95 kPa pressure differential;

Capacitors containing an electrolyte not meeting the classification criteria of any class or division of dangerous goods, including when configured in a module or when installed in equipment are not subject to other provisions of these Regulations.

Capacitors containing an electrolyte meeting the classification criteria of any class or division of dangerous goods, with an energy storage capacity of 20 Wh or less, including when configured in a module, are not subject to other provisions of these Regulations when the capacitors 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 or division of dangerous goods that are not installed in equipment and with an energy storage capacity of more than 20 Wh are subject to these Regulations.

Capacitors installed in equipment and containing an electrolyte meeting the classification criteria of any class or division of dangerous goods, are not subject to other provisions of these Regulations provided that 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 transport. Large robust equipment containing capacitors may be offered for transport unpackaged or on pallets when capacitors are afforded equivalent protection by the equipment in which they are contained.

***NOTE:** Notwithstanding the provisions of this special provision, nickel-carbon asymmetric capacitors containing Class 8 alkaline electrolytes shall be transported as UN 2795, BATTERIES, WET, FILLED WITH ALKALI, electric storage.*

- 373 Neutron radiation detectors containing non-pressurized boron trifluoride gas may be transported under this entry provided that the following conditions are met.

- (a) Each radiation detector shall meet the following conditions.
  - (i) The pressure in each detector shall not exceed 105 kPa absolute at 20°C;
  - (ii) The amount of gas shall not exceed 13 g per detector;
  - (iii) Each detector shall be manufactured under a registered quality assurance programme;

***NOTE:** The application of ISO 9001:2008 may be considered acceptable for this purpose.*

- (iv) Each neutron radiation detector shall be of welded metal construction with brazed metal to ceramic feed through assemblies. These detectors shall have a minimum burst pressure of 1800 kPa as demonstrated by design type qualification testing; and

- (v) Each detector shall be tested to a  $1 \times 10^{-10}$  cm<sup>3</sup>/s leaktightness standard before filling.
- (b) Radiation detectors transported as individual components shall be transported as follows:
  - (i) Detectors shall be packed in a sealed intermediate plastics liner with sufficient absorbent or adsorbent material to absorb or adsorb the entire gas contents;
  - (ii) They shall be packed in strong outer packaging. The completed package shall be capable of withstanding a 1.8 m drop test without leakage of gas contents from detectors;
  - (iii) The total amount of gas from all detectors per outer packaging shall not exceed 52 g.
- (c) Completed neutron radiation detection systems containing detectors meeting the conditions of paragraph (a) shall be transported as follows:
  - (i) The detectors shall be contained in a strong sealed outer casing;
  - (ii) The casing shall contain sufficient absorbent or adsorbent material to absorb or adsorb the entire gas contents;
  - (iii) The completed systems shall be packed in strong outer packagings capable of withstanding a 1.8 m drop test without leakage unless a system's outer casing affords equivalent protection.

Packing instruction P200 of 4.1.4.1 is not applicable.

The transport document shall include the following statement "Transport in accordance with special provision 373".

Neutron radiation detectors containing not more than 1 g of boron trifluoride, including those with solder glass joints, are not subject to these Regulations provided they meet the requirements in paragraph (a) and are packed in accordance with paragraph (b). Radiation detection systems containing such detectors are not subject to these Regulations provided they are packed in accordance with paragraph (c).

- 374 This entry may only be used, as authorized by the competent authority, for packagings, large packagings or intermediate bulk containers (IBC), or parts thereof, which have contained dangerous goods, other than radioactive material, which are transported for disposal, recycling or recovery of their material, other than reconditioning, repair, routine maintenance, remanufacturing or reuse, and which have been emptied to the extent that only residues of dangerous goods adhering to the packaging parts are present when they are handed over for transport.
- 375 These substances when transported in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of these Regulations provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- 376 Lithium ion cells or batteries and lithium metal cells or batteries identified as being damaged or defective such that they do not conform to the type tested according to the

applicable provisions of the Manual of Tests and Criteria shall comply with the requirements of this special provision.

For the purposes of this special provision, these may include, but are not limited to:

- Cells or batteries identified as being defective for safety reasons;
- Cells or batteries that have leaked or vented;
- Cells or batteries that cannot be diagnosed prior to transport; or
- Cells or batteries that have sustained physical or mechanical damage.

**NOTE:** *In assessing a battery as damaged or defective, the type of battery and its previous use and misuse shall be taken into account.*

Cells and batteries shall be transported according to the provisions applicable to UN 3090, UN 3091, UN 3480 and UN 3481, except Special Provision 230 and as otherwise stated in this special provision.

~~Packages shall be marked “DAMAGED/DEFECTIVE LITHIUM ION BATTERIES” OR “DAMAGED/DEFECTIVE LITHIUM METAL BATTERIES”, as applicable.~~

Cells and batteries shall be packed in accordance with packing instructions P908 of 4.1.4.1 or LP904 of 4.1.4.3, as applicable.

Cells and batteries identified as damaged or defective and liable to rapidly disassemble, dangerously react, produce a flame or a dangerous evolution of heat or a dangerous emission of toxic, corrosive or flammable gases or vapours under normal conditions of transport shall be packed and transported in accordance with packing instruction P911 of 4.1.4.1 or LP906 of 4.1.4.3, as applicable. Alternative packing and/or transport conditions may be authorized by the competent authority.

Packages shall be marked “DAMAGED/DEFECTIVE” in addition to the proper shipping name, as stated in 5.2.1.

The transport document shall include the following statement “Transport in accordance with special provision 376”.

If applicable, a copy of the competent authority approval shall accompany the transport.~~Cells and batteries shall be packed in accordance with packing instructions P908 of 4.1.4.1 or LP904 of 4.1.4.3, as applicable.~~

~~Cells and batteries liable to rapidly disassemble, dangerously react, produce a flame or a dangerous evolution of heat or a dangerous emission of toxic, corrosive or flammable gases or vapours under normal conditions of transport shall not be transported except under conditions specified by the competent authority.~~

- 377 Lithium ion and lithium metal cells and batteries and equipment containing such cells and batteries transported for disposal or recycling, either packed together with or packed without non-lithium batteries, may be packaged in accordance with packing instruction P909 of 4.1.4.1.

These cells and batteries are not subject to the requirements of section 2.9.4. Additional exemptions may be provided under the conditions defined by modal transport regulations.

Packages shall be marked “LITHIUM BATTERIES FOR DISPOSAL” or “LITHIUM BATTERIES FOR RECYCLING”.

Identified damaged or defective batteries shall be transported in accordance with special provision 376 and packaged in accordance with P908 of 4.1.4.1 or LP904 of 4.1.4.3, as applicable.

378 Radiation detectors containing this gas in non-refillable pressure receptacles not meeting the requirements of Chapter 6.2 and packing instruction P200 of 4.1.4.1 may be transported under this entry provided:

- (a) The working pressure in each receptacle does not exceed 50 bar;
- (b) The receptacle capacity does not exceed 12 litres;
- (c) Each receptacle has a minimum burst pressure of at least 3 times the working pressure when a relief device is fitted and at least 4 times the working pressure when no relief device is fitted;
- (d) Each receptacle is manufactured from material which will not fragment upon rupture;
- (e) Each detector is manufactured under a registered quality assurance programme;

*NOTE: ISO 9001:2008 may be used for this purpose.*

- (f) Detectors are transported in strong outer packagings. The complete package shall be capable of withstanding a 1.2 metre drop test without breakage of the detector or rupture of the outer packaging. Equipment that includes a detector shall be packed in a strong outer packaging unless the detector is afforded equivalent protection by the equipment in which it is contained; and
- (g) The transport document includes the following statement “Transport in accordance with special provision 378”.

Radiation detectors, including detectors in radiation detection systems, are not subject to any other requirements of these Regulations if the detectors meet the requirements in (a) to (f) above and the capacity of detector receptacles does not exceed 50 ml.

379 Anhydrous ammonia adsorbed or absorbed on a solid contained in ammonia dispensing systems or receptacles intended to form part of such systems are not subject to the other provisions of these Regulations if the following conditions are observed:

- (a) The adsorption or absorption presents the following properties:
  - (i) The pressure at a temperature of 20 °C in the receptacle is less than 0.6 bar;
  - (ii) The pressure at a temperature of 35 °C in the receptacle is less than 1 bar;
  - (iii) The pressure at a temperature of 85 °C in the receptacle is less than 12 bar.
- (b) The adsorbent or absorbent material shall not have dangerous properties listed in Classes 1 to 8;
- (c) The maximum contents of a receptacle shall be 10 kg of ammonia; and
- (d) Receptacles containing adsorbed or absorbed ammonia shall meet the following conditions:

- (i) Receptacles shall be made of a material compatible with ammonia as specified in ISO 11114-1:2012;
- (ii) Receptacles and their means of closure shall be hermetically sealed and able to contain the generated ammonia;
- (iii) Each receptacle shall be able to withstand the pressure generated at 85 °C with a volumetric expansion no greater than 0.1%;
- (iv) Each receptacle shall be fitted with a device that allows for gas evacuation once pressure exceeds 15 bar without violent rupture, explosion or projection; and
- (v) Each receptacle shall be able to withstand a pressure of 20 bar without leakage when the pressure relief device is deactivated.

When transported in an ammonia dispenser, the receptacles shall be connected to the dispenser in such a way that the assembly is guaranteed to have the same strength as a single receptacle.

The properties of mechanical strength mentioned in this special provision shall be tested using a prototype of a receptacle and/or dispenser filled to nominal capacity, by increasing the temperature until the specified pressures are reached.

The test results shall be documented, shall be traceable and shall be communicated to the relevant authorities upon request.

380 ~~If a vehicle is powered by a flammable liquid and a flammable gas internal combustion engine, it shall be assigned to UN No. 3166 VEHICLE, FLAMMABLE GAS POWERED-Deleted.~~

381 Large packagings conforming to the packing group III performance level used in accordance with packing instruction LP02 of 4.1.4.3, as prescribed in the 18th revised edition of the United Nations Recommendations on the Transport of Dangerous Goods, Model Regulations, may be used until 31 December 2022.

382 Polymeric beads may be made from polystyrene, poly (methyl methacrylate) or other polymeric material. When it can be demonstrated that no flammable vapour, resulting in a flammable atmosphere, is evolved according to test U1 (Test method for substances liable to evolve flammable vapours) of Part III, sub-section 38.4.4 of the Manual of Tests and Criteria, polymeric beads, expandable need not be classified under this UN number. This test should only be performed when de-classification of a substance is considered.

383 Table tennis balls manufactured from celluloid are not subject to these Regulations where the net mass of each table tennis ball does not exceed 3.0 g and the total net mass of table tennis balls does not exceed 500 g per package.

384 The label to be used is Model No 9A, see 5.2.2.2.2. However, for placarding of cargo transport units, the placard shall correspond to Model No 9.

*NOTE: The Class 9 label (Model No 9) may continue to be used until 31 December 2018.*

385 ~~This entry applies to vehicles powered by flammable liquid or gas internal combustion engines or fuel cells.~~

~~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 batteries installed shall be consigned under this entry. Vehicles powered by wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries,~~

~~transported with the batteries installed, shall be consigned under the entry UN No. 3171 BATTERY POWERED VEHICLE (see special provision 240).~~

~~For the purpose of this special provision, vehicles are self-propelled apparatus designed to carry one or more persons or goods. Examples of such vehicles are cars, motorcycles, trucks, locomotives, scooters, three and four wheeled vehicles or motorcycles, lawn tractors, self-propelled farming and construction equipment, boats and aircraft.~~

~~Dangerous goods such as batteries, air bags, fire extinguishers, compressed gas accumulators, safety devices and other integral components of the vehicle that are necessary for the operation of the vehicle or for the safety of its operator or passengers, shall be securely installed in the vehicle and are not otherwise subject to these Regulations. However, lithium batteries shall meet the requirements of 2.9.4, except when otherwise specified by these Regulations (e.g. for prototype batteries and small production runs under special provision 310 or damaged batteries under special provision 376). Deleted.~~

386 When substances are stabilized by temperature control, the provisions of 7.1.6-5 apply. When chemical stabilization is employed, the person offering the packaging, IBC or tank for transport shall ensure that the level of stabilization is sufficient to prevent the substance in the packaging, IBC or tank from dangerous polymerization at a bulk mean temperature of 50 °C, or, in the case of a portable tank, 45 °C. Where chemical stabilization becomes ineffective at lower temperatures within the anticipated duration of transport, temperature control is required. In making this determination factors to be taken into consideration include, but are not limited to, the capacity and geometry of the packaging, IBC or tank and the effect of any insulation present, the temperature of the substance when offered for transport, the duration of the journey and the ambient temperature conditions typically encountered in the journey (considering also the season of year), the effectiveness and other properties of the stabilizer employed, applicable operational controls imposed by regulation (e.g. requirements to protect from sources of heat, including other cargo transported at a temperature above ambient) and any other relevant factors.

387 Lithium batteries in conformity with 2.9.4 (f) containing both primary lithium metal cells and rechargeable lithium ion cells shall be assigned to UN Nos. 3090 or 3091 as appropriate. When such batteries are transported in accordance with special provision 188, the total lithium content of all lithium metal cells contained in the battery shall not exceed 1.5 g and the total capacity of all lithium ion cells contained in the battery shall not exceed 10 Wh.

388 UN No. 3166 entries apply to vehicles powered by flammable liquid or gas internal combustion engines or fuel cells.

~~Vehicles powered by a fuel cell engine shall be consigned under the entries UN 3166 VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED or UN 3166 VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED, as appropriate. These entries include hybrid electric vehicles powered by both a fuel cell and an internal combustion engine with wet batteries, sodium batteries, lithium metal batteries or lithium ion batteries, transported with the battery(ies) installed.~~

~~Other vehicles which contain an internal combustion engine shall be consigned under the entries UN 3166 VEHICLE, FLAMMABLE GAS POWERED or UN 3166 VEHICLE, FLAMMABLE LIQUID POWERED, as appropriate. These entries include 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.~~



If a vehicle is powered by a flammable liquid and a flammable gas internal combustion engine, it shall be assigned to UN 3166 VEHICLE, FLAMMABLE GAS POWERED.

Entry UN 3171 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 special provision, vehicles are self-propelled apparatus designed to carry one or more persons or goods. Examples of such vehicles are cars, motorcycles, scooters, three- and four-wheeled vehicles or motorcycles, trucks, locomotives, bicycles (pedal cycles with a motor) and other vehicles of this type (e.g. self-balancing vehicles or vehicles not equipped with at least one seating position), wheelchairs, lawn tractors, self-propelled farming and construction equipment, boats and aircraft. This includes vehicles transported in a packaging. In this case some parts of the vehicle may be detached from its frame to fit into the packaging.

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.

Dangerous goods, such as batteries, airbags, fire extinguishers, compressed gas accumulators, safety devices and other integral components of the vehicle that are necessary for the operation of the vehicle or for the safety of its operator or passengers, shall be securely installed in the vehicle and are not otherwise subject to these Regulations. However, lithium batteries shall meet the provisions of 2.9.4, except that 2.9.4 (a) does not apply when pre-production prototype batteries or batteries of a small production run, consisting of not more than 100 batteries, are installed in vehicles or equipment.

Where a lithium battery installed in a vehicle or equipment is damaged or defective, the vehicle or equipment shall be transported as defined by the competent authority.

389 This entry only applies to lithium ion batteries or lithium metal batteries installed in a cargo transport unit and designed only to provide power external to the cargo transport unit. The lithium batteries shall meet the requirements of 2.9.4 (a) to (e) and contain the necessary systems to prevent overcharge and over discharge between the batteries.

The batteries shall be securely attached to the interior structure of the cargo transport unit (e.g., by means of placement in racks, cabinets, etc.) in such a manner as to prevent short circuits, accidental operation, and significant movement relative to the cargo transport unit under the shocks, loadings and vibrations normally incident to transport. Dangerous goods necessary for the safe and proper operation of the cargo transport unit (e.g., fire extinguishing systems and air conditioning systems), shall be properly secured to or installed in the cargo transport unit and are not otherwise subject to these Regulations. Dangerous goods not necessary for the safe and proper operation of the cargo transport unit shall not be transported within the cargo transport unit.

The batteries inside the cargo transport unit are not subject to marking or labelling requirements. The cargo transport unit shall display the UN number in accordance with 5.3.2.1.2 and be placarded on two opposing sides in accordance with 5.3.1.1.2.

391 Articles containing dangerous goods of Division 2.3, or Division 4.2, or Division 4.3, or Division 5.1, or Division 5.2 or Division 6.1 for substances of inhalation toxicity requiring Packing Group I and articles containing more than one of the hazards listed in 2.0.3.1 (b), (c), or (d) shall be transported under conditions approved by the competent authority.

392 For the transport of fuel gas containment systems designed and approved to be fitted in motor vehicles containing this gas the provisions of sub-section 4.1.4.1 and Chapter 6.2 of these Regulations need not be applied when transported for disposal, recycling, repair, inspection, maintenance or from where they are manufactured to a vehicle assembly plant, provided the following conditions are met:

(a) The fuel gas containment systems shall meet the requirements of the standards or regulations for fuel tanks for vehicles, as applicable. Examples of applicable standards and regulations are:

<b><u>LPG tanks</u></b>	
<u>ECE Regulation No. 67 Revision 2</u>	<u>Uniform provisions concerning: I. Approval of specific equipment of vehicles of category M and N using liquefied petroleum gases in their propulsion system; II. Approval of vehicles of category M and N fitted with specific equipment for the use of liquefied petroleum gases in their propulsion system with regard to the installation of such equipment</u>
<u>ECE Regulation No. 115</u>	<u>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 systems; II Specific CNG (compressed natural gas) retrofit systems to be installed in motor vehicles for the use of CNG in their propulsion system</u>
<b><u>CNG tanks</u></b>	
<u>ECE Regulation No. 110</u>	<u>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</u>
<u>ECE Regulation No. 115</u>	<u>(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 systems; II Specific CNG (compressed natural gas) retrofit systems to be installed in motor vehicles for the use of CNG in their propulsion system)</u>
<u>ISO 11439:2013</u>	<u>Gas cylinders — High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles</u>
<u>ISO 15500-Series</u>	<u>ISO 15500: Road vehicles -- Compressed natural gas (CNG) fuel system components – several parts as applicable</u>
<u>ANSI NGV 2</u>	<u>Compressed natural gas vehicle fuel containers</u>
<u>CSA B51 Part 2: 2014</u>	<u>Boiler, pressure vessel, and pressure piping code Part 2 Requirements for high-pressure cylinders for on-board storage of fuels for automotive vehicles</u>
<b><u>Hydrogen pressure tanks</u></b>	
<u>Global Technical Regulation (GTR) No. 13</u>	<u>Global technical regulation on hydrogen and fuel cell vehicles (ECE/TRANS/180/Add.13).</u>

<a href="#">ISO/TS 15869:2009</a>	<a href="#">Gaseous hydrogen and hydrogen blends - Land vehicle fuel tanks</a>
<a href="#">Regulation (EC) No.79/2009</a>	<a href="#">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</a>
<a href="#">Regulation (EU) No. 406/2010</a>	<a href="#">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.</a>
<a href="#">ECE Regulation No. 134</a>	<a href="#">Hydrogen and fuel cell vehicles (HFCV)</a>
<a href="#">CSA B51 Part 2: 2014</a>	<a href="#">Boiler, pressure vessel, and pressure piping code Part 2 Requirements for high-pressure cylinders for on-board storage of fuels for automotive vehicles</a>

Gas tanks designed and constructed in accordance with previous versions of relevant standards or regulations for gas tanks for motor vehicles, which were applicable at the time of the certification of the vehicles for which the gas tanks were designed and constructed may continue to be transported;

(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 11623:2015 Transportable gas cylinders – Periodic inspection and testing of composite gas cylinders (or ISO 19078:2013 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).*

*NOTE 2: If the fuel gas containment systems are not leakproof or are overfilled or if they exhibit damage that could affect their safety (e.g. in case of a safety related recall), they shall only be carried in salvage pressure receptacles in conformity with these Regulations.*

(c) If a fuel gas containment system is equipped with two valves or more integrated in line, the two valves shall be closed as to be gastight under normal conditions of transport. If only one valve exists or only one valve works all openings with the exception of the opening of the pressure relief device, it shall be closed as to be gastight under normal conditions of transport;

(d) Fuel gas containment systems shall be transported 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 transport. The fuel gas containment system shall be secured in order to prevent slipping, rolling or vertical movement;

(e) Valves shall be protected by one of the methods described in 4.1.6.1.8 (a) to (e);

(f) Except for the case of fuel gas containment systems removed for disposal, recycling, repair, inspection or maintenance, they shall be filled with not more than 20% of their nominal filling ratio or nominal working pressure, as applicable;

(g) Notwithstanding the provisions of Chapter 5.2, when fuel gas containment systems are consigned in a handling device, markings and labels may be affixed to the handling device; and

(h) Notwithstanding the provisions of 5.4.1.5 the information on the total quantity of dangerous goods may be replaced by the following information:

(i) The number of fuel gas containment systems; and

(ii) In the case of liquefied gases the total net mass (kg) of gas of each fuel gas containment system and, in the case of compressed gases, the total water capacity (l) of each fuel gas containment system followed by the nominal working pressure.

Examples for information in the transport document:

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”.



## CHAPTER 3.4

### DANGEROUS GOODS PACKED IN LIMITED QUANTITIES

3.4.1 This Chapter provides the provisions applicable to the transport 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 the Dangerous Goods List of Chapter 3.2. In addition, the quantity “0” has been indicated in this column for each entry not permitted to be transported 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 these Regulations except the relevant provisions of:

- (a) Part 1, Chapters 1.1, 1.2 and 1.3;
- (b) Part 2;
- (c) Part 3, Chapters 3.1, 3.2, 3.3;
- (d) Part 4, paragraphs 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8;

*NOTE: For air transport, additional provisions apply; refer to Part 3, Chapter 4 of the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air.*

- (e) Part 5:
  - (i) For air transport: chapters 5.1, 5.2 and 5.4;
  - (ii) For sea transport: 5.1.1.2, 5.1.2.3, 5.2.1.7 and chapter 5.4;
  - (iii) For transport by road, rail or inland waterway: 5.1.1.2, 5.1.2.3, 5.2.1.7 and section 5.4.2.
- (f) Part 6, construction requirements of 6.1.4, paragraph 6.2.1.2 and section 6.2.4;
- (g) Part 7, section 7.1.1 except first sentence of 7.1.1.7, paragraph 7.1.3.1.4 and subsection 7.1.3.2.

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 transport 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 transported 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.

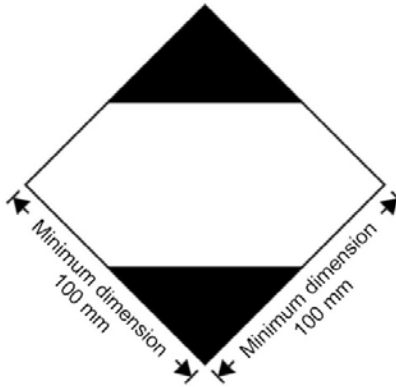
3.4.4 Liquid goods of Class 8, packing group II in glass, porcelain or stoneware inner packagings shall be enclosed in a compatible and rigid intermediate packaging.

3.4.5 and 3.4.6 Deleted.

### 3.4.7 Marking ~~for~~of packages containing limited quantities

3.4.7.1 Except for air transport, packages containing dangerous goods in limited quantities shall bear the mark shown in Figure 3.4.1:

Figure 3.4.1



Mark for packages containing limited quantities

The mark shall be readily visible, legible and able to withstand open weather exposure without a substantial reduction in effectiveness.

The mark shall be in the form of a square set at an angle of 45 degrees (diamond-shaped). 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 x 100 mm and the minimum width of line forming the diamond shall be 2 mm. Where dimensions are not specified, all features shall be in approximate proportion to those shown.

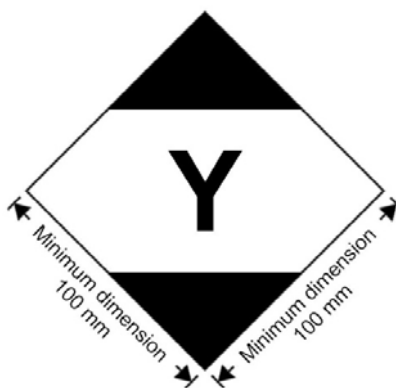
3.4.7.2 If the size of the package so requires, the minimum outer dimensions shown in Figure 3.4.1 may be reduced to be not less than 50 mm x 50 mm provided the mark remains clearly visible. The minimum width of the line forming the diamond may be reduced to a minimum of 1 mm.

**NOTE:** The provisions of 3.4.7 from the seventeenth revised edition of the Model Regulations may continue to be applied until 31 December 2016.

### 3.4.8 Marking ~~for~~of packages containing limited quantities conforming to Part 3, Chapter 4 of the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air

3.4.8.1 Packages containing dangerous goods packed in conformity with the provisions of Part 3, Chapter 4 of the ICAO Technical Instructions for the Transport of Dangerous Goods may bear the mark shown in Figure 3.4.2 to certify conformity with these provisions:

**Figure 3.4.2**



Mark for packages containing limited quantities conforming to Part 3, Chapter 4 of the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air

The mark shall be readily visible, legible and able to withstand open weather exposure without a substantial reduction in effectiveness.

The mark shall be in the form of a square set at an angle of 45 degrees (diamond-shaped). 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 x 100 mm and the minimum width of the line forming the diamond shall be 2 mm. The symbol “Y” shall be placed in the centre of the mark and shall be clearly visible. Where dimensions are not specified, all features shall be in approximate proportion to those shown.

3.4.8.2 If the size of the package so requires, the minimum outer dimensions shown in Figure 3.4.2 may be reduced to be not less than 50 mm x 50 mm provided the mark remains clearly visible. The minimum width of the line forming the diamond may be reduced to a minimum of 1 mm. The symbol “Y” shall remain in approximate proportion to that shown in Figure 3.4.2.

**NOTE:** *The provisions of 3.4.8 from the seventeenth revised edition of the Recommendations on the Transport of Dangerous Goods, Model Regulations may continue to be applied until 31 December 2016.*

3.4.9 Packages containing dangerous goods bearing the mark shown in 3.4.8 with or without the additional labels and marks for air transport shall be deemed to meet the provisions of section 3.4.1 as appropriate and of sections 3.4.2 to 3.4.4 of this Chapter and need not bear the mark shown in 3.4.7.

3.4.10 Packages containing dangerous goods in limited quantities bearing the mark shown in 3.4.7 and conforming with the provisions of the ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air, including all necessary marks and labels specified in Parts 5 and 6, shall be deemed to meet the provisions of section 3.4.1 as appropriate and of sections 3.4.2 to 3.4.4 when transported by land or by sea.

### **3.4.11 Use of overpacks**

For an overpack containing dangerous goods packed in limited quantities, the following applies:

Unless the marks representative of all dangerous goods in an overpack are visible, the overpack shall be:

- marked with the word “OVERPACK”. The lettering of the “OVERPACK” mark shall be at least 12 mm high; and



– marked with the marks required by this chapter.

Except for air transport, the other provisions of 5.1.2.1 apply only if other dangerous goods which are not packed in limited quantities are contained in the overpack and only in relation to these other dangerous goods.

## 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 these Regulations 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, 4.1.1.4.1 and 4.1.1.6.

**NOTE:** *In the case of radioactive material, the requirements for radioactive material in excepted packages in 1.5.1.5 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 the dangerous goods list of Chapter 3.2 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 E1, E2, E4 and E5 are not subject to these Regulations provided that:

- (a) The maximum net quantity of material per inner packaging is limited to 1 ml for liquids and gases and 1 g for solids;
- (b) The provisions of 3.5.2 are met, 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 transport, 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;

- (c) The provisions of 3.5.3 are complied with; and
- (d) The maximum net quantity of dangerous goods per outer packaging does not exceed 100 g for solids or 100 ml for liquids and gases.

### **3.5.2 Packagings**

Packagings used for the transport 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 (when used for liquid dangerous goods it shall have a thickness of not less than 0.2 mm), 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 transport, it cannot break, be punctured or leak its contents. For liquid dangerous goods, the intermediate or outer packaging shall contain sufficient absorbent material to absorb the entire contents of the inner packagings. When placed in the intermediate packaging, 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. Regardless of its orientation, the package shall completely contain the contents in case of breakage or leakage;
- (c) The intermediate packaging shall be securely packed in a strong, rigid outer packaging (wooden, fibreboard 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 marks; and
- (f) Overpacks may be used and may also contain packages of dangerous goods or goods not subject to these Regulations.

### **3.5.3 Tests for packages**

3.5.3.1 The complete package as prepared for transport, 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).

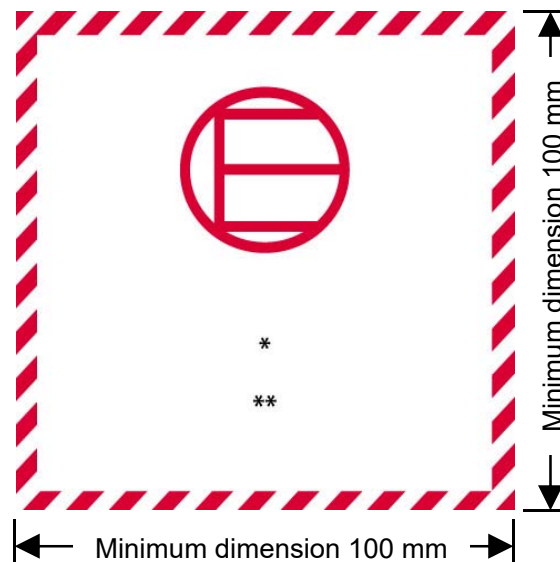
3.5.3.2 For the purposes of testing, the substances to be transported in the packaging may be replaced by other substances except where this would invalidate the results of the tests. For solids, when another substance is used, it must have the same physical characteristics (mass, grain size, etc.) as 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 transported.

### 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 Figure 3.5.1. The primary hazard class or, when assigned, the division of 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 Excepted quantities mark

Figure 3.5.1



Excepted quantities mark

\* The Class or, when assigned, the Division number(s) 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

The mark shall be in the form of a square. The hatching and symbol shall be of the same colour, black or red, on white or suitable contrasting background. The minimum dimensions shall be 100 mm x 100 mm. Where dimensions are not specified, all features shall be in approximate proportion to those shown.

#### **3.5.4.3 Use of overpacks**

For an overpack containing dangerous goods packed in excepted quantities, the following applies:

Unless the marks representative of all dangerous goods in an overpack are visible, the overpack shall be:

- marked with the word “OVERPACK”. The lettering of the “OVERPACK” mark shall be at least 12 mm high; and
- marked with the marks required by this chapter.

The other provisions of 5.1.2.1 apply only if other dangerous goods which are not packed in excepted quantities are contained in the overpack and only in relation to these other dangerous goods.

**NOTE:** *The provisions of 3.5.4.2 and 3.5.4.3 from the seventeenth revised edition of the Model Regulations may continue to be applied until 31 December 2016.*

#### **3.5.5 Maximum number of packages in any ~~freight vehicle, railway freight wagon or multimodal freight container~~cargo transport unit**

The number of packages in any ~~freight vehicle, railway freight wagon or multimodal freight container~~cargo transport unit shall not exceed 1 000.

#### **3.5.6 Documentation**

If a document (such as a bill of lading or air waybill) accompanies dangerous goods in excepted quantities, it shall include the statement “Dangerous Goods in Excepted Quantities” and indicate the number of packages.