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**COMMITTEE OF EXPERTS ON THE TRANSPORT OF
DANGEROUS GOODS AND ON THE GLOBALLY
HARMONIZED SYSTEM OF CLASSIFICATION
AND LABELLING OF CHEMICALS**

**Sub-Committee of Experts on the
Transport of Dangerous Goods**
(Twenty-first session, 1-10 July 2002,
agenda item 8(b))

LISTING AND CLASSIFICATION

**Correct assignment of UN Numbers to substances and solutions
with respect to physical state (liquid or solid)**

Transmitted by the experts from the Netherlands and Germany

Background

In July 2001 the Sub-Committee discussed a joint paper from the Netherlands and Germany (ST/SG/AC.10/C.3/2001/14) concerning the assignment of substances and solutions to the correct UN number in relation to the physical state (liquid/solid). The principle to create separate entries for a solid and the solution thereof was adopted as well as the principle to create separate entries for those substances for which due to the different composition of isomers the entry can be both liquid or solid, see paragraphs 71 to 75 of report ST/SG/AC.10/C.3/38.

Furthermore in December 2002 the Sub-Committee was informed about the provisional results of the consequential work concerning the correct assignment of UN numbers, proper shipping names and packing instructions to substances with respect to their physical state (UN/SCETDG/20/INF.17), see paragraphs 62 and 63 of report ST/SG/AC.10/C.3/40.

Based upon the outcome of the discussion whether it is necessary to create new UN numbers in all cases and comments received intersessionally from the United Kingdom and further study of the regulations and consultation of the database of the BAM in Berlin, a list of all entries concerned was compiled (see the Annex to this document).

A further point concerns those substances for which due to different composition of isomers the entry can be both a liquid or solid. In those cases no additional entries for the solution are included.

As a consequence the principles adopted, the text of 3.1.2.4 should be deleted. In order to make things clear for the user it is proposed to use this paragraph with the following text:

“Many substances have an entry for both the liquid and solid state or for the solid and solution. These are allocated separate UN entries which are not necessarily adjacent to each other. Details are provided in the alphabetical index, e.g.

NITROXYLENES, LIQUID UN 1965
NITROXYLENES, SOLID UN XXXX

In this way special provisions as suggested in UN/SCETDG/20/INF.17 can be avoided

Also in the process the following errors were found:

- UN 2511, 2-CHLOROPROPIONIC ACID, SOLID does not exist as it has a melting point of -12 °C (source: BAM Database and BIG Database)
- UN 3207, delete in column (9) special provisions B2 and B4 as special provisions B2 and B4 are not applicable to IBC instruction IBC01 and IBC02

Proposal

- To adopt all proposed entries mentioned in the Annex which appear in the solid and in the liquid state together with the consequential amendments and to amend Chapter 3.2 and the INDEX accordingly.
- To adopt the proposed amendment of 3.1.2.4;

Replace current text 3.1.2.4 by:

“Many substances have an entry for both the liquid and solid state or for the solid and solution. These are allocated separate UN entries which are not necessarily adjacent to each other. Details are provided in the alphabetical index, e.g.

*NITROXYLENES, LIQUID UN 1965
NITROXYLENES, SOLID UN XXXX*

- To adopt the found errors with regard to UN 2511 and UN 3207 and to amend Chapter 3.2 accordingly;

Delete the entry for UN 2511, 2-CHLOROPROPIONIC ACID, SOLID and delete for UN 3207 in column (9) the special provisions B2 and B4 for PG II and PG III entry respectively

Annex

The attached annex lists all entries, which may appear in the solid and in the liquid state in one (or more) of the international regulations (UN Recommendations, IMDG-Code, RID/ADR and also CFR) together with the consequential amendments.

The existing UN number is used for the case described in the present regulations. A new UN number is proposed for the substance in the other aggregation state. In this list the consequential amendments are indicated. Consequential amendments are based on the rationalised approach of the issue concerned.

Annex

New entries and amendments to DGL (12th ed.) concerning “LIQUID/SOLID/SOLUTION”-problem Based upon ST/SG/AC.10/C.3/2001/14 - Annex 1

The information given in the columns (6) to (11) for the new entries are based upon the “Rationalized Approach” for packagings, RID/ADR and IMDG Code.

Where for solid entries in column (10) and (11) a T-code and/or TP-code is found between square brackets ([..]), this means that the 12th edition of the ‘Orange Book’ indicates a T-Code and/or TP-code for the concerned solid entry. However that for the final allocation of a T-Code and/or TP-code the Sub-Committee is requested to await the outcome of the discussion on transport of solids in portable tanks.

Note: “a new entry” = a solid, liquid or solution entry which has not been mentioned in the ‘Orange Book’ by means of the applicable packing instruction, column (8) (e.g. in ‘Orange Book’ an existing entry for a liquid/P001 ⇒ ‘new entry’ + new UN No. will be the solid/P002, etc.); or: the second mentioned entry under an existing entry with the same UN No. will become the ‘new entry’.

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1389	ALKALI METAL AMALGAM, LIQUID	4.3		I	182	NONE	P402		-	
ABCD	ALKALI METAL AMALGAM, SOLID	4.3		I	182	NONE	P403		-	
1392	ALKALINE EARTH METAL AMALGAM, LIQUID	4.3		I	183	NONE	P402 IBC04	B1	-	
BCDE	ALKALINE EARTH METAL AMALGAM, SOLID	4.3		I	183	NONE	P403		-	
1420	POTASSIUM METAL ALLOYS, LIQUID	4.3		I		NONE	P402 IBC04	B1	-	
XXXX	POTASSIUM METAL ALLOYS, SOLID	4.3		I		NONE	P402		-	
1422	POTASSIUM SODIUM ALLOYS, LIQUID	4.3		I		NONE	P402 IBC04	B1	T9	TP3, TP7, TP31
XXXX	POTASSIUM SODIUM ALLOYS, SOLID	4.3		I		NONE	P403			

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1445	BARIUM CHLORATE, SOLID	5.1	6.1	II		1 kg	P002 IBC06	B2	[T4]	[TP1]
XXXX	BARIUM CHLORATE, SOLUTION	5.1	6.1	II		500 ml	P504 IBC02		T4	TP1
XXXX	BARIUM CHLORATE, SOLUTION	5.1	6.1	III		1l	P001 IBC02		T4	TP1
DEFG	BARIUM PERCHLORATE, SOLUTION	5.1	6.1	II		500ml	P504 IBC02		T4	TP1
XXXX	BARIUM PERCHLORAE, SOLUTION	5.1	6.1	III		1l	P001 IBC02		T4	TP1
1447	BARIUM PERCHLORATE, SOLID	5.1	6.1	II		1 kg	P002 IBC06	B2		
EFGH	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLUTION	5.1		II		500ml	P504 IBC01		T4	TP1
EFGH	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLUTION	5.1		III		1l	P504 IBC01		T4	TP1
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	5.1		II		1 kg	P002 IBC08	B2, B4		
1459	CHLORATE AND MAGNESIUM CHLORIDE MIXTURE, SOLID	5.1		III	223	5 kg	P002 IBC08 LP02	B3		
1470	LEAD PERCHLORATE, SOLID	5.1	6.1	II		1 kg	P002 IBC06	B2		
FGHI	LEAD PERCHLORATE, SOLUTION	5.1	6.1	II		500 ml	P504 IBC02		T4	TP1
1577	CHLORODINITROBENZENES, LIQUID	6.1		II		100 ml	P001 IBC02		T7	TP2
XXXX	CHLORODINITROBENZENES, SOLID	6.1		II	279	500g	P002 IBC08	B2, B4	Note: is now an existing entry under UN 1577	

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1578	CHLORONITROBENZENES, SOLID	6.1		II	279	500g	P002 IBC08	B2, B4		
XXXX	CHLORONITROBENZENES, LIQUID	6.1		II	279	100 ml	P001 IBC02		T7	TP2
1579	4-CHLORO-ortho-TOLUIDINE HYDROCHLORIDE, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3		
GHIJ	4-CHLORO-ortho-TOLUIDINE HYDROCHLORIDE, SOLUTION	6.1		III		5 l	P001 IBC03		-	
1590	DICHLOROANILINES, LIQUID	6.1		II		100 ml	P001 IBC02		T7	TP2
XXXX	DICHLOROANILINES, SOLID	6.1		II		500 g	P002 IBC08	B2, B4		
1597	DINITROBENZENES, SOLUTION	6.1		II		100 ml	P001 IBC02		T7	TP2
XXXX	DNITROBENZENES, SOLID	6.1		II		500 g	P002 IBC08	B2, B4		
1650	Beta-NAPHTHYLAMINE, SOLID	6.1		II		500 g	P002 IBC08	B2, B4	-	
XXXX	Beta-NAPHTHYLAMINE, SOLUTION	6.1		II		100 ml	P001 IBC02		T7	TP2
1656	NICOTINE HYDROCHLORIDE, LIQUID	6.1		II	43	100ml	P001 IBC02			
XXXX	NICOTINE HYDROCHLORIDE SOLUTION	6.1		II	43	100ml	P001 IBC02		Note: is now an existing entry under UN 1656	
HIJK	NICOTINE HYDROCHLORIDE, SOLID	6.1		II	43	500 g	P002 IBC08	B2, B4	Note: is now an existing entry under UN 1656	
1658	NICOTINE SULPHATE, SOLUTION	6.1		II		100 ml	P001 IBC02		T7	TP2

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
IJKL	NICOTINE SULPHATE, SOLID	6.1		II		500 g	P002 IBC08	B2, B4	Note: is now an existing entry under UN 1658	
JKLM	POTASSIUM CYANIDE, SOLUTION	6.1		I		NONE	P001		T14	TP2 TP13
JKLM	POTASSIUM CYANIDE, SOLUTION	6.1		II		100 ml	P001 IBC02		T11	TP2, TP13, TP27
JKLM	POTASSIUM CYANIDE, SOLUTION	6.1		III		5 l	P001 IBC03 LP01		T7	TP2, TP13, TP28
1664	NITROTOLUENES, LIQUID	6.1		II		100ml	P001 IBC02		T7	TP2
XXXX	NITROTOLUENES, SOLID	6.1		II		500g	P002 IBC08	B2, B4	Note: is now an existing entry under UN 1664	
1665	NITROXYLENES, LIQUID	6.1		II		100 ml	P001 IBC02		T7	TP2
XXXX	NITROXYLENES, SOLID	6.1		II		500 g	P002 IBC08	B2, B4	Note: is now an existing entry under UN 1665	-
1680	POTASSIUM CYANIDE, SOLID	6.1		I		NONE	P002 IBC07	B1	-	-
MNOP	SODIUM CYANIDE, SOLUTION	6.1		I		NONE	P001		T14	TP2 TP13
MNOP	SODIUM CYANIDE SOLUTION	6.1		II		100 ml	P001 IBC02		T11	TP2 TP13 TP27

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
MNOP	SODIUM CYANIDE SOLUTION	6.1		III	223	5 l	P001 IBC03 LP01		T7	TP2 TP13 TP28
1689	SODIUM CYANIDE, SOLID	6.1		I		NONE	P002 IBC07		-	-
NOPQ	SODIUM FLUORIDE, SOLUTION	6.1		III		5 l	P001 IBC03 LP01		T4	TP1
1690	SODIUM FLUORIDE, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3		
1693	TEAR GAS SUBSTANCE, LIQUID, N.O.S.	6.1		I	274	NONE	P001			
1693	TEAR GAS SUBSTANCE, LIQUID, N.O.S.	6.1		II	274	NONE	P001 IBC02			
OPQR	TEAR GAS SUBSTANCE, SOLID, N.O.S.	6.1		I	274	NONE	P002		Note: is now an existing entry under UN 1693	
OPQR	TEAR GAS SUBSTANCE, SOLID, N.O.S.	6.1		II	274	NONE	P002 IBC08	B2, B4	Note: is now an existing entry under UN 1693	
1694	BROMOBENZYL CYANIDES, LIQUID	6.1		I	138	NONE	P001		T14	TP2 TP13
PQRS	BROMOBENZYL CYANIDES, SOLID	6.1		I	138	NONE	P002		Note: is now an existing entry under UN 1694	
QRST	CHLOROACETOPHENONE, LIQUID	6.1		II		NONE	P001 IBC02		T7	TP2 TP13
1697	CHLOROACETOPHENONE, SOLID	6.1		II		NONE	P002 IBC08	B2, B4		

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1699	DIPHENYLCHLOROARSINE, LIQUID	6.1		I		NONE	P001			
RSTU	DIPHENYLCHLOROARSINE, SOLID	6.1		I		NONE	P002 IBC07	B1	Note: is now an existing entry under UN 1699	
1701	XYLYL BROMIDE, LIQUID	6.1		II		NONE	P001 IBC02		T7	TP2 TP13
XXXX	XYLYL BROMIDE, SOLID	6.1		II		NONE	P002 IBC08	B2, B4		
1708	TOLUIDINES, LIQUID	6.1		II	279	100 ml	P001 IBC02		T7	TP2
STUV	TOLUIDINES, SOLID	6.1		II	279	500 g	P002 IBC08	B2, B4	Note: is now an existing entry under UN 1708 [T7]	[TP2]
TUVW	2,4-TOLUYLENEDIAMINE, SOLUTION	6.1		III		500 ml	P001 IBC03 LP01		T4	TP1
1709	2,4-TOLUYLENEDIAMINE, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3		
1729	ANISOYL CHLORIDE, LIQUID	8		II		1 l	P001 IBC02		T7	TP2
UVWX	ANISOYL CHLORIDE, SOLID	8		II		1 kg	P002 IBC08	B2, B4		
1711	XYLIDINES, LIQUID	6.1		II		100ml	P001 IBC02		T7	TP2
XXXX	XYLIDINES, SOLID	6.1		II		500g	P002 IBC08	B2, B4	Note: is now an existing entry under UN 1711 [T7]	[TP2]

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1742	BORON TRIFLUORIDE ACETIC ACID COMPLEX, LIQUID	8		II		1 l	P001 IBC02		T8	TP2 TP12
VWXY	BORON TRIFLUORIDE ACETIC ACID COMPLEX, SOLID	8		II		1 kg	P002 IBC08	B2, B4		
1743	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, LIQUID	8		II		1 l	P001 IBC02		T8	TP2 TP12
WXYZ	BORON TRIFLUORIDE PROPIONIC ACID COMPLEX, SOLID	8		II		1 kg	P002 IBC08	B2, B4		
ZABC	POTASSIUM HYDROGENDIFLUORIDE, SOLUTION	8	6.1	II		1 l	P001 IBC02		T7	TP2
1801	POTASSIUM HYDROGENDIFLUORIDE, SOLID	8	6.1	II		1 kg	P002 IBC08	B2, B4		
1805	PHOSPHORIC ACID, SOLUTION	8		III		5 l	P001 IBC03 LP01		T4	TP1
XXXX	PHOSPHORIC ACID, SOLID	8		III		5 kg	P002 IBC08 LP02	B3	Note: is now an existing entry under UN 1805	
ZBCD	POTASSIUM FLUORIDE, SOLUTION	6.1		III		5 l	P001 IBC03 LP01		T4	TP1
1812	POTASSIUM FLUORIDE, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3		

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1835	TETRAMETHYLAMMONIUM HYDROXIDE, SOLUTION	8		II		1 l	P001 IBC02		T7	TP2
XXXX	TETRAMETHYLAMMONIUM HYDROXIDE, SOLID	8		II		1 kg	P002 IBC08	B2, B4		
1843	AMMONIUM DINITRO-o-CRESOLATE, SOLID	6.1		II		500 g	P002 IBC08	B2, B4		
XXXX	AMMONIUM DINITRO-o-CRESOLATE, SOLUTION	6.1		II		100 ml	P001 IBC02		T7	TP2
1938	BROMOACETIC ACID, SOLUTION	8		II		1 l	P001 IBC02		T7	TP2
ZCDE	BROMOACETIC ACID, SOLID	8		II		1 kg	P002 IBC08	B2, B4		
2038	DINITROTOLUENES, LIQUID	6.1		II		100 ml	P001 IBC02		T7	TP2
XXXX	DINITROTOLUENES, SOLID	6.1		II		500 g	P002 IBC08	B2, B4	Note: is now an existing entry under UN 2038 [T7]	[TP2]
2074	ACRYLAMIDE, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3		
ZDEF	ACRYLAMIDE, SOLUTION	6.1		III		5 l	P001 IBC03 LP01		T4	TP1
2076	CRESOLS, LIQUID	6.1	8	II		100 ml	P001 IBC02		T7	TP2
XXXX	CRESOLS, SOLID	6.1	8	II		500 g	P002 IBC08	B2, B4	Note: is now an existing entry under UN 2076 [T7]	[TP2]

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2077	alpha-NAPHTHYLAMINE, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3		
XXXX	alpha-NAPHTHYLAMINE, SOLUTION	6.1		III		5 l	P001 IBC03 LP01		T3	TP1
2235	CHLOROBENZYL CHLORIDES, LIQUID	6.1		III		5 l	P001 IBC03 LP01		T4	TP1
XXXX	CHLOROBENZYL CHLORIDES, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3		
2236	3-CHLORO-4-METHYLPHENYL ISOCYANATE, LIQUID	6.1		II		100 ml	P001 IBC02			
ZEFG	3-CHLORO-4-METHYLPHENYL ISOCYANATE, SOLID	6.1		II		500 g	P002 IBC08	B2, B4		
2239	CHLOROTOLUIDINES, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3		
XXXX	CHLOROTOLUIDINES, LIQUID	6.1		III		5 l	P001 IBC03 LP01		T4	TP1
2261	XYLENOLS, SOLID	6.1		II		500 g	P002 IBC08	B2, B4		
XXXX	XYLENOLS, LIQUID	6.1		II		100 ml	P001 IBC02		T7	TP2
2306	NITROBENZOTRIFLUORIDES, LIQUID	6.1		II		100 ml	P001 IBC02		T7	TP2
XXXX	NITROBENZOTRIFLUORIDES, SOLID	6.1		II		500 g	P002 IBC08	B2, B4		
2308	NITROSYLSULPHURIC ACID, LIQUID	8		II		1 l	P001 IBC02		T8	TP2 TP12

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
XXXX	NITROSYLSULPHURIC ACID, SOLID	8		II		1 kg	P002 IBC08	B2, B4	Note: is now an existing entry under UN 2308 [T8]	[TP2, TP12]
2315	POLYCHLORINATED BIPHENYLS, LIQUID	9		II	305	1 l	P906 IBC02		T4	TP1
XXXX	POLYCHLORINATED BIPHENYLS, SOLID	9		II	305	1 kg	P906 IBC08			
2433	CHLORONITROTOLUENES, LIQUID	6.1		III		5 l	P001 IBC03 LP01		T4	TP1
XXXX	CHLORONITROTOLUENES, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3	Note: is now an existing entry under UN 2433	
2445	LITHIUM ALKYLS, LIQUID	4.2	4.3	I		NONE	P400		T21	TP3 TP7
XXXX	LITHIUM ALKYLS, SOLID	4.2	4.3	I		NONE	P400			
2446	NITROCRESOLS, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3		
XXXX	NITROCRESOLS, LIQUID	6.1		III		5 l	P001 IBC03 LP01		T4	TP1
2511	2-CHLOROPROPIONIC ACID, or 2-CHLOROPROPIONIC ACID, SOLUTION	8		III		5 l	P001 IBC03 LP01		T4	TP2
ZGHI	HYDROQUINONE, SOLUTION	6.1		III		5 l	P001 IBC03 LP01	B3	T4	TP1

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2662	HYDROQUINONE, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3		
2552	HEXAFLUOROACETONE HYDRATE, LIQUID	6.1		II		100 ml	P001 IBC02		T7	TP2
XXXX	HEXAFLUOROACETONE HYDRATE, SOLID	6.1		II		500 g	P002 IBC08	B2, B4		
2669	CHLOROCRESOLS, SOLUTION	6.1		II		100 ml	P001 IBC02		T7	TP2
XXXX	CHLOROCRESOLS, SOLID	6.1		II		500 g	P002 IBC08	B2, B4		
2730	NITROANISOLS, LIQUID	6.1		III	279	5 l	P001 IBC03 LP01		T4	TP1
XXXX	NITROANISOLS, SOLID	6.1		III	279	5 kg	P002 IBC08 LP02	B3	Note: is now an existing entry under UN 2730 [T4]	[TP1]
2732	NITROBROMOBENZENES, LIQUID	6.1		III		5 l	P001 IBC03 LP01		T4	TP1
XXXX	NITROBROMOBENZENES, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3	Note: is now an existing entry under UN 2732 [T4]	[TP1]
2753	N-ETHYLBENZYL TOLUIDINES, LIQUID	6.1		III		5 l	P001 IBC03 LP01		T7	TP1
XXXX	N-ETHYLBENZYL TOLUIDINES, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3	Note: is now an existing entry under UN 2753	[TP1]

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
									[T7]	
3052	ALUMINIUM ALKYL HALIDES, LIQUID	4.2	4.3	I		NONE	P400		T21	TP2 TP7 TP9
ZHIJ	ALUMINIUM ALKYL HALIDES, SOLID	4.2	4.3	I		NONE	P404		Note: is now an existing entry under UN 3052	
2937	alpha-METHYLBENZYL ALCOHOL, LIQUID	6.1		III		5 l	P001 IBC03 LP01		T4	TP1
XXXX	alpha-METHYLBENZYL ALCOHOL, SOLID	6.1		III		5 kg	P002 IBC08 LP02	B3		
3052	ALUMINIUM ALKYL HALIDES, LIQUID	4.2	4.3	I		NONE	P400		T21	TP2 TP7 TP9
XXXX	ALUMINIUM ALKYL HALIDES, SOLID	4.2	4.3	I		NONE	P404		Note: is now an existing entry under UN 3052	
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1		I	210 274	NONE	P001			
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1		II	210 274	100 ml	P001 IBC02			
3172	TOXINS, EXTRACTED FROM LIVING SOURCES, LIQUID, N.O.S.	6.1		III	210 223 274	5 l	P001 IBC03 LP01			
ZIJK	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1		I	210 274	NONE	P002 IBC07	B1	Note: is now an existing entry under UN 3172	

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
ZIJK	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1		II	210 274	500 g	P002 IBC08	B2, B4	Note: is now an existing entry under UN 3172	
ZIJK	TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S.	6.1		III	210 223 274	5 kg	P002 IBC08	B3	Note: is now an existing entry under UN 3172	
3203	PYROPHORIC ORGANOMETALLIC COMPOUND, LIQUID, WATER-REACTIVE, N.O.S.	4.2	4.3	I	274	NONE	P400		T21	TP2 TP7 TP9
ZJKL	PYROPHORIC ORGANOMETALLIC COMPOUND, SOLID, WATER-REACTIVE, N.O.S.	4.2	4.3	I	274	NONE	P404	Note: is now an existing entry under UN 3203	T21	TP2 TP7 TP9
[3245	GENETICALLY MODIFIED ORGANISMS	9			219	NONE	P904 IBC99]	Note: UN 3245 not to be split		
[]			
3276	NITRILES, TOXIC, LIQUID, N.O.S.	6.1		I	274	NONE	P001		T14	TP2 TP9 TP13 TP27
3276	NITRILES, TOXIC, LIQUID, N.O.S.	6.1		II	274	100 ml	P001 IBC02		T11	TP2 TP27
3276	NITRILES, TOXIC, LIQUID, N.O.S.	6.1		III	223 274	5 l	P001 IBC03 LP01		T7	TP1 TP28
XXXX	NITRILES, TOXIC, SOLID, N.O.S.	6.1		I	274	NONE	P002 IBC07	B1		
XXXX	NITRILES, TOXIC, SOLID N.O.S.	6.1		II	274	500 g	P002 IBC08	B2, B4		
XXXX	NITRILES, TOXIC, SOLID,	6.1		III	223	5 kg	P002			

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	N.O.S.				274		IBC08 LP02	B3		
3278	ORGANOPHOSPHOROUS COMPOUND, TOXIC, N.O.S., LIQUID	6.1		I	43 274	NONE	P001		T14	TP2 TP9 TP13 TP27
3278	ORGANOPHOSPHOROUS COMPOUND, TOXIC, LIQUID, N.O.S.	6.1		II	43 274	100 ml	P001 IBC02		T11	TP2 TP27
3278	ORGANOPHOSPHOROUS COMPOUND, TOXIC, LIQUID, N.O.S.	6.1		III	43 223 274	5 l	P001 IBC03 LP01		[T7]	[TP1 TP28]
ZKLM	ORGANOPHOSPHOROUS COMPOUND, TOXIC, SOLID, N.O.S.	6.1	now an existing entry under UN 3278	I	43 274	NONE	P002 IBC07	B1	[T14]	[TP2 TP9 TP27]
ZKLM	ORGANOPHOSPHOROUS COMPOUND, TOXIC, SOLID, N.O.S.	6.1	now an existing entry under UN 3278	II	43 274	500 g	P002 IBC08	B2, B4	[T11]	[TP2 TP27]
ZKLM	ORGANOPHOSPHOROUS COMPOUND, TOXIC, SOLID, N.O.S.	6.1	now an existing entry under UN 3278	III	43 223 274	5 kg	P002 IBC08 LP02	B3	[T7]	[TP1 TP28]
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.	6.1		I	274	NONE	P001		T14	TP2 TP9 TP27

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.,	6.1		II	274	100 ml	P001 IBC02		T11	TP2 TP27
3280	ORGANOARSENIC COMPOUND, LIQUID, N.O.S.,	6.1		III	223 274	5 l	P001 IBC03 LP01		T7	TP1 TP28
ZLMN	ORGANOARSENIC COMPOUND, SOLID, N.O.S.,	6.1		I	274	NONE	P002 IBC07	B1	now an existing entry under UN 3280 [T14]	[TP2 TP9 TP27]
ZLMN	ORGANOARSENIC COMPOUND, SOLID, N.O.S.,	6.1		II	274	500 g	P002 IBC08	B2, B4	now an existing entry under UN 3280 [T11]	[TP2 TP27]
ZLMN	ORGANOARSENIC COMPOUND, SOLID, N.O.S.,	6.1		III	223 274	5 kg	P002 IBC08 LP02	B3	now an existing entry under UN 3280 [T7]	[TP1 TP28]
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1		I	274	NONE	P601		T14	TP2 TP9 TP13 TP27
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1		II	274	100 ml	P001 IBC02		T11	TP2 TP27
3281	METAL CARBONYLS, LIQUID, N.O.S.	6.1		III	223 274	5 l	P001 IBC03 LP01		T7	TP1 TP28
ZMNO	METAL CARBONYLS, SOLID, N.O.S.	6.1		I	274	NONE	P002 IBC07	B1	now an existing entry under UN 3281 [T14]	[TP2 TP9 TP27]

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
ZMNO	METAL CARBONYLS, SOLID, N.O.S.	6.1		II	274	500 g	P002 IBC08	B2, B4	now an existing entry under UN 3281 [T11]	[TP2 TP27]
ZMNO	METAL CARBONYLS, SOLID, N.O.S.	6.1		III	223 274	5 kg	P002 IBC08 LP02	B3	now an existing entry under UN 3281 [T7]	[TP1 TP28]
3282	ORGANOMETALIC COMPOUND, TOXIC, LIQUID, N.O.S.	6.1		I	274	NONE	P001		T14	TP2 TP9 TP13 TP27
3282	ORGANOMETALIC COMPOUND, TOXIC, LIQUID, N.O.S.	6.1		II	274	100 ml	P001 IBC02		T11	TP2 TP27
3282	ORGANOMETALIC COMPOUND, TOXIC, LIQUID, N.O.S.	6.1		III	223 274	5 l	P001 IBC03 LP01		T7	TP1 TP28
ZNOP	ORGANOMETALIC COMPOUND, TOXIC, SOLID, N.O.S.	6.1		I	274	NONE	P002 IBC07	B1	now an existing entry under UN 3282 [T14]	[TP2 TP9 TP27]
ZNOP	ORGANOMETALIC COMPOUND, TOXIC, SOLID, N.O.S.	6.1		II	274	500 g	P002 IBC08	B2, B4	now an existing entry under UN 3282 [T11]	[TP2 TP27]
ZNOP	ORGANOMETALIC COMPOUND, TOXIC, SOLID, N.O.S.	6.1		III	223 274	5 kg	P002 IBC08 LP02	B3	now an existing entry under UN 3282	[TP1 TP28]

UN No.	Name and description	Class or Division	Subsidiary risk	UN packing group	Special provisions	Limited quantities	Packagings and IBCs		Portable tanks	
							Packing instruction	Special provisions	Portable tank instructions	Portable tank special instructions
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
									[T7]	
3283	SELENIUM COMPOUNDS, SOLID, N.O.S.	6.1		I		NONE	P002 IBC07	B1		
3283	SELENIUM COMPOUNDS, SOLID, N.O.S.	6.1		II		500 g	P002 IBC08	B2, B4		
3283	SELENIUM COMPOUNDS, SOLID, N.O.S.	6.1		III	223	5 kg	P002 IBC08 LP02	B3		
XXXX	SELENIUM COMPOUNDS , LIQUID, N.O.S.	6.1		I		NONE	P001		T14	TP2 TP9 TP27
XXXX	SELENIUM COMPOUNDS , LIQUID, N.O.S.	6.1		II		500 ml	P001 IBC02		T11	TP2 TP27
XXXX	SELENIUM COMPOUNDS , LIQUID, N.O.S.	6.1		III	223	5 l	P001 IBC03		T7	TP1 TP28
3315	CHEMICAL SAMPLE, TOXIC, LIQUID	6.1		I	250	NONE	P099			
ZOPQ	CHEMICAL SAMPLE, TOXIC, SOLID	6.1		I	250	NONE	P099	now an existing entry under UN 3315		