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INLAND TRANSPORT COMMITTEE

Working Party on the Transport of Dangerous Goods

Joint Meeting of Experts on the Regulations annexed to the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN)
(ADN Safety Committee)

Fifteenth session
Geneva, 24-28 August 2009
Item 4 (a) of the provisional agenda

PROPOSALS FOR AMENDMENTS TO THE REGULATIONS ANNEXED TO ADN

Report of the "Substances" informal working group transmitted by the Government of Germany[1, 2]

I. INTRODUCTION

1. The "Substances" informal working group met on 15 and 16 April 2009 in Strasbourg. Representatives of Germany, the Netherlands and the Central Commission for the Navigation of the Rhine (CCNR) took part in the meeting, under the chairmanship of Mr. Krischok (Germany).

[1] Distributed in German by the Central Commission for the Navigation of the Rhine under the symbol CCNR/ZKR/ADN/WP.15/AC.2/2009/27.

[2] In accordance with the programme of work of the Inland Transport Committee for 2006-2010 (ECE/TRANS/166/Add.1, programme activity 02.7 (b)).

II. RESULTS

2. In accordance with the mandate decided by the Safety Committee, the group considered the following issues.

A. Updating of ADN, Table A, column (8), for the new entries referred to in informal document INF.14, submitted to the fourteenth session

3. Since UN No. 1267 PETROLEUM CRUDE OIL and UN No. 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., were already being transported in tank vessels, the group concluded that for the new entries UN No. 3494 PETROLEUM CRUDE OIL, ACID, INFLAMMABLE, TOXIC, carriage in tank vessels should also be permitted. The amendments proposed to Tables A and C in this regard are contained in annex 1.

4. With regard to the other new entries, the group was not aware of any existing need for transport in tank vessels or in bulk. Should such need arise, the profession would have to submit applications for special authorizations and request amendments to Tables A and C.

B. Proposed decision concerning the issue with UN No. 2672 AMMONIA SOLUTION raised by the German delegation in document ECE/TRANS/WP.15/AC.2/2009/2

5. Under the existing regulations, it was not possible to diverge from the parameters contained in the relevant provision, which related to a worst case scenario. Additional research had demonstrated that ammonia solution in a concentration of 25% or more by mass corresponded to group N1. Ammonia solutions in concentrations of less than 25% by mass corresponded to group N3 (Hazard evaluation of substances transported by ships - Report of the forty-third session of the Working Group on the Evaluation of the Hazards of Harmful Substances Carried by Ships).

6. The working group therefore concluded that in Table C, entry UN No. 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, should be divided into two separate entries. Accordingly, carriage of ammonia solutions in concentrations of 25% or more would be permitted in vessels of type C and ammonia solutions in concentrations of less than 25% in vessels of type N. The German delegation would draft a proposal to that effect for consideration at the forthcoming meeting of the Safety Committee.

C. Examination of columns (9) (Equipment required), (10) (Ventilation) and (11) (Provisions concerning loading, unloading and carriage) of Table A to ensure that they are based on consistent criteria

7. The informal working group examined the particulars in columns (9), (10) and (11) of Table A. The particulars in column (12) (Number of blue cones/lights) were also checked. The checks involved undertaking a comparison with the criteria adopted some time ago by CCNR. During the meeting, the criteria too came under discussion. The results of the checks are presented in five groups.

1. Corrections resulting from the application of existing criteria

8. The amendments and additions proposed on the basis of the application of existing criteria are set out in tabular form in annex 2.

2. Proposed amendments to criteria

9. Following discussion, the group reached the opinion that the criteria relating to the requirement for an escape device (EP) were not consistent. For all substances of Classes 6.1 and 8, an escape device was required, irrespective of the physical state of the substance (solid or liquid) and of the packing group. Conversely, for solid substances of Classes 4.1 and 5.1 with subsidiary hazards 6.1 and 8 (i.e. with a classification code containing T or C), no such device was prescribed even though, in the working group's opinion, those substances posed a comparable danger. It was thus proposed to amend the criteria for requiring an escape device so that such a device would also be required on board for all substances of Classes 4.1 and 5.1 with a T or C classification code (column (3b)). It was also proposed that the criteria for requiring a toximeter (TOX) should be extended to cover solid substances of Class 4.3 which, in contact with water, emitted flammable gases. That requirement had already been applied to UN Nos. 1360, 1395, 1397, 1408, 1419, 1432, 1433, 1714, 2011, 2012 and 3013.

3. Corrections resulting from the proposals to amend criteria

10. In the event that the Safety Committee approves the proposal to amend the criteria for requiring an appropriate escape device, consequential amendments will be required to Table A. The amendments proposed are set out in tabular form in annex 3.

4. Additional corrections

11. During the discussion, the working group noted that for UN No. 1589 the hazard "unst." should be added in column (5) and that for UN No. 3471 GE I+II special provision 802 should be added in column (6). The additions proposed are set out in tabular form in annex 4.

5. Editorial changes to criteria which do not affect substantive content in Table A

12. VE04 was inserted in column (6) for AEROSOLS (UN No. 1950) and special provision 327 in column (10) of Table A. That criterion is to be supplemented.

13. In the criteria for ST01 and HA09* for Class 5.1, the entries which no longer exist, i.e. UN Nos. 2068, 2069 and 2070, should be deleted.

14. For LO04, the phrase "for all goods with 'B' in column (8), 'LO04*' should be inserted in column (11)" should be transferred from Class 5.2 to Class 5.1, both in the table and in the text relating to Table A.[†]

[†] *Translator's note*: Despite extensive consultations with the Transport Division, the translator was unable to trace the phrase within quotation marks; the words used are the translator's own.

15. In addition, the group proposed that code RA02 should be grouped with RA03 and code HA03 with HA06, since they were only ever applied together.

D. Proposal to add entry UN No. 3495 IODINE

16. It was proposed to add the entry UN No. 3495 IODINE to Table A as a corrosive solid substance of Class 8 with a toxic subsidiary hazard (informal document INF.14 submitted to the fourteenth session). In accordance with the criteria, personal protective equipment (PP) and an escape device (EP) were required. A particular property of iodine, however, was that it sublimed. The members of the informal working group therefore proposed that a toximeter (TOX) should be prescribed for iodine. That would involve amending the criteria as follows: "TOX for all liquid substances of Class 8 with T in column (3) and for UN No. 3495".[††]

17. Pursuant to the criteria, a breathing apparatus (A) was also required and the corresponding provisions with respect to ventilation (VE02) should be applied.

[††] *Translator's note*: See note to para. 14.

Annex 1

PETROLEUM CRUDE OIL

In Table A, for the three entries UN No. 3494 PETROLEUM CRUDE OIL, ACID, INFLAMMABLE, TOXIC, insert “T” in column (8).

Add the following three entries to Table C:

(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
UN No. or substance identification No.	Name and description	Class	Classification code	Packing group	Dangers	Type of tank vessel	Cargo tank design	Cargo tank type	Cargo tank equipment	Opening pressure of the high-velocity vent valve in kPa	Maximum degree of filling in %	Relative density at 20 °C	Type of sampling device	Pump room below deck permitted	Temperature class	Explosion group	Anti-explosion protection required	Equipment required	Number of blue cones/lights	Additional requirements/Remarks
3494	PETROLEUM CRUDE OIL, ACID, INFLAMMABLE, TOXIC	3	TF1	I	3+6.1+(N1, N2, N3, CMR, F)	C	*	*	*	*	95		1	No	T4[3)]	II B[4)]	Yes	PP, EP, EX, TOX, A	2	14; 27; *See flowchart
3494	PETROLEUM CRUDE OIL, ACID, INFLAMMABLE, TOXIC	3	TF1	II	3+6.1+(N1, N2, N3, CMR, F)	C	*	*	*	*	95		2	No	T4[3)]	II B[4)]	Yes	PP, EP, EX, TOX, A	2	14; 27; *See flowchart
3494	PETROLEUM CRUDE OIL, ACID, INFLAMMABLE, TOXIC	3	TF1	III	3+6.1+(N1, N2, N3, CMR, F)	C	*	*	*	*	95		2	No	T4[3)]	II B[4)]	Yes	PP, EP, EX, TOX, A	0	14; 27; *See flowchart

Annex 2

AMENDMENTS TO TABLE C

Amendments and additions in respect of columns (9), (10), (11), (12) and (13) of Table A resulting from the application of existing criteria. Deletions are struck through and additions are underlined. The amendments in columns (9) and (12) should be reproduced in columns (18) and (19) of the corresponding entries in Table C.

UN No. or ID No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Carriage permitted	Equipment required	Ventilation	Provisions concerning loading, unloading and carriage			Number of blue cones/lights	Remarks
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.6	3.5.1.2	3.2.1	8.1.5	7.1.6	7.1.6			7.1.5	3.2.1
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)			(12)	(13)
0154	TRINITROPHENOL (PICRIC ACID), dry or wetted with less than 30% water, by mass	1	1.1D		1		LQ0	E0		PP		LO01	HA01, HA02, HA03, HA04, HA05, HA06		~~1~~3	
1391	ALKALI METAL DISPERSION or ALKALINE EARTH METAL DISPERSION having a flashpoint of not more than 60 °C	4.3	WF1	I	4.3 3	182 183 274 506	LQ0	E0		PP, EX, A	VE01		HA08		~~0~~1	
1431	SODIUM METHYLATE	4.2	SC4	II	4.2+8		LQ0	E2		PP, EP					0	
1463	CHROMIUM TRIOXIDE, ANHYDROUS	5.1	OTC	II	5.1+6.1+8	510	LQ11	E2		PP					~~0~~2	
1779	FORMIC ACID with more than 85% acid by mass	8	CF1	II	8+3		LQ22	E2	T	PP, EP, EX, A	VE01				~~0~~1	

UN No. or ID No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Carriage permitted	Equipment required	Ventilation	Provisions concerning loading, unloading and carriage			Number of blue cones/lights	Remarks
1942	AMMONIUM NITRATE with not more than 0.2% total combustible material, including any organic substance calculated as carbon, to the exclusion of any other added substance	5.1	O2	III	5.1	306 611	LQ12	E1	B	PP		ST01, CO02, LO04	HA09		0	CO02, LO04 and HA09 apply only when this substance is carried in bulk or without packaging
1950	AEROSOLS, flammable, toxic	2	5FC		2.1+8	190 327 625	LQ2	E0		PP, EP, EX, A	VE01, VE04				1	
2235	CHLOROBENZYL CHLORIDES, LIQUID	6.1	T1	III	6.1	802	LQ7	E1		PP, EP, TOX, A	VE02				0	
2236	3-CHLORO-4-METHYLPHENYL ISOCYANATE, LIQUID	6.1	T1	II	6.1	802	LQ17	E4		PP, EP, TOX, A	VE02				2	
2441	TITANIUM TRICHLORIDE, PYROPHORIC or TITANIUM TRICHLORIDE MIXTURE, PYROPHORIC	4.2	SC4	I	4.2+8	537	LQ0	E0		PP, EP					0	
2841	DI-n-AMYLAMINE	3	FT1	III	3+6.1	802	LQ7	E1		PP, EP, EX, TOX, A	VE01, VE02				~~2~~0	
3126	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	4.2	SC2	II	4.2+8	274	LQ0	E2		PP, EP					0	

UN No. or ID No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Carriage permitted	Equipment required	Ventilation	Provisions concerning loading, unloading and carriage			Number of blue cones/lights	Remarks
3126	SELF-HEATING SOLID, CORROSIVE, ORGANIC, N.O.S.	4.2	SC2	III	4.2+8	274	LQ0	E1		PP, EP					0	
3128	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	4.2	ST2	II	4.2+6.1	274 802	LQ0	E2		PP, EP					2	
3128	SELF-HEATING SOLID, TOXIC, ORGANIC, N.O.S.	4.2	ST2	III	4.2+6.1	274 802	LQ0	E1		PP, EP					0	
3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	WF2	I	4.3+4.1	274	LQ0	E0		PP, EX, A	VE01		HA08		1	
3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	WF2	II	4.3+4.1	274	LQ11	E2		PP, EX, A	VE01		HA08		1	
3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	WF2	III	4.3+4.1	274	LQ12	E1		PP, EX, A	VE01		HA08		0	
3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	WS	I	4.3+4.2	274	LQ0	E0		PP, EX, A	VE01		HA08		0	
3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	WS	II	4.3+4.2	274	LQ11	E2		PP, EX, A	VE01		HA08		0	
3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	WS	III	4.3+4.2	274	LQ12	E1		PP, EX, A	VE01		HA08		0	
3176	FLAMMABLE SOLID, ORGANIC, MOLTEN, N.O.S.	4.1	F2	II	4.1	274	LQ0	E0		PP					~~0~~1	
3191	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	4.2	ST4	II	4.2+6.1	274 802	LQ0	E2		PP, EP					2	
3191	SELF-HEATING SOLID, TOXIC, INORGANIC, N.O.S.	4.2	ST4	III	4.2+6.1	274 802	LQ0	E1		PP, EP					0	
3192	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.	4.2	SC4	II	4.2+8	274	LQ0	E2		PP, EP					0	

UN No. or ID No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Carriage permitted	Equipment required	Ventilation	Provisions concerning loading, unloading and carriage			Number of blue cones/lights	Remarks
3192	SELF-HEATING SOLID, CORROSIVE, INORGANIC, N.O.S.	4.2	SC4	III	4.2+8	274	LQ0	E1		PP, EP					0	
3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE N.O.S.	4.2	SC4	II	4.2+8	182 274	LQ0	E2		PP, EP					0	
3206	ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE N.O.S.	4.2	SC4	III	4.2+8	183 274	LQ0	E1		PP, EP					0	
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER REACTIVE, FLAMMABLE	4.3	WF2	I	4.3+4.1	274	LQ0	E0		PP, EX, A	VE01		HA08		1	
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER REACTIVE, FLAMMABLE	4.3	WF2	II	4.3+4.1	274	LQ11	E2		PP, EX, A	VE01		HA08		1	
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER REACTIVE, FLAMMABLE	4.3	WF2	III	4.3+4.1	274	LQ12	E1		PP, EX, A	VE01		HA08		0	
3408	LEAD PERCHLORATE SOLUTION	5.1	OT1	II	5.1+6.1		LQ10	E2		PP, EP	VE02				~~0~~2	
3409	CHLORONITROBENZENES, LIQUID	6.1	T1	II	6.1	279 802	LQ17	E4		PP, EP, TOX, A	VE02				2	
3463	PROPIONIC ACID with not less than 90% acid by mass	8	CF1	II	8+3		LQ22	E2	T	PP, EP, EX, A	VE01				~~0~~1	

UN No. or ID No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Carriage permitted	Equipment required	Ventilation	Provisions concerning loading, unloading and carriage			Number of blue cones/lights	Remarks
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	CF1	II	8+3	163	LQ22	E2		PP, EP, EX, A	VE01				~~0~~1	
3471	HYDROGENDIFLUORIDES SOLUTION, N.O.S.	8	CT1	II	8+6.1		LQ22	E2		PP, EP					~~0~~2	
3473	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT containing flammable liquids	3	F1		3	328	LQ13	E0		PP, EX, A	VE01					
3477	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing corrosive substances	8	C11		8	328 334	LQ12 LQ13	E0		PP, ~~EX,~~ EP, A					0	

UN No. or ID No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Carriage permitted	Equipment required	Ventilation	Provisions concerning loading, unloading and carriage			Number of blue cones/lights	Remarks
3478	FUEL CELL CARTRIDGES or FUEL CELL CARTRIDGES CONTAINED IN EQUIPMENT or FUEL CELL CARTRIDGES PACKED WITH EQUIPMENT, containing liquefied flammable gas	2	6F		2.1	328 338	LQ1	E0		PP, EX, A	VE01				~~0~~1	
9000	AMMONIA, DEEPLY REFRIGERATED	2	3TC		2.3+8			E0	T	PP, EP, TOX, A	VE02				2	Admitted only for carriage in tank vessels

Annex 3

ADDITIONS TO COLUMN (9)

Additions to column (9) resulting from the application of expanded criteria. The insertions are underlined. The additions to column (9) should be reproduced in column (18) of the corresponding entries in Table C.

UN No. or ID No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Carriage permitted	Equipment required	Ventilation	Provisions concerning loading, unloading and carriage			Number of blue cones/lights	Remarks
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.6	3.5.1.2	3.2.1	8.1.5	7.1.6	7.1.6			7.1.5	3.2.1
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)			(12)	(13)
1320	DINITROPHENOL, WETTED with not less than 15% water, by mass	4.1	DT	I	4.1+6.1	802	LQ0	E0		PP, EP					2	
1321	DINITROPHENOLATES WETTED with not less than 15% water, by mass	4.1	DT	I	4.1+6.1	802	LQ0	E0		PP, EP					2	
1348	SODIUM DINITRO-o-CRESOLATE, WETTED with not less than 15% water, by mass	4.1	DT	I	4.1+6.1	802	LQ0	E0		PP, EP					2	
1445	BARIUM CHLORATE, SOLID	5.1	OT2	II	5.1+6.1	802	LQ11	E2		PP, EP					2	
1446	BARIUM NITRATE	5.1	OT2	II	5.1+6.1	802	LQ11	E2		PP, EP					2	
1447	BARIUM PERCHLORATE, SOLID	5.1	OT2	II	5.1+6.1	802	LQ11	E2		PP, EP					2	
1448	BARIUM PERMANGANATE	5.1	OT2	II	5.1+6.1	802	LQ11	E2		PP, EP					2	
1449	BARIUM PEROXIDE	5.1	OT2	II	5.1+6.1	802	LQ11	E2		PP, EP					2	

UN No. or ID No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Carriage permitted	Equipment required	Ventilation	Provisions concerning loading, unloading and carriage			Number of blue cones/lights	Remarks
1469	LEAD NITRATE	5.1	OT2	II	5.1+6.1	802	LQ11	E2		PP, EP					2	
1470	LEAD PERCHLORATE, SOLID	5.1	OT2	II	5.1+6.1	802	LQ11	E2		PP, EP					2	
1500	SODIUM NITRITE	5.1	OT2	III	5.1+6.1	802	LQ12	E1		PP, EP					0	
1511	UREA HYDROGEN PEROXIDE	5.1	OC2	III	5.1+8		LQ12	E1		PP, EP					0	
1571	BARIUM AZIDE, WETTED with not less than 50% water, by mass	4.1	DT	I	4.1+6.1	568 802	LQ0	E0		PP, EP					2	
1868	DECABORANE	4.1	FT2	II	4.1+6.1	802	LQ0	E2		PP, EP					2	
1872	LEAD DIOXIDE	5.1	OT2	III	5.1+6.1	802	LQ12	E1		PP, EP					0	
2464	BERYLLIUM NITRATE	5.1	OT2	II	5.1+6.1	802	LQ11	E2		PP, EP					2	
2573	THALLIUM CHLORATE	5.1	OT2	II	5.1+6.1	802	LQ11	E2		PP, EP					2	
2719	BARIUM BROMATE	5.1	OT2	II	5.1+6.1	802	LQ11	E2		PP, EP					2	
2741	BARIUM HYPOCHLORITE with more than 22% available chlorine	5.1	OT2	II	5.1+6.1	802	LQ11	E2		PP, EP					2	
2925	FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.	4.1	FC1	II	4.1+8	274	LQ0	E2		PP, EP					1	
2925	FLAMMABLE SOLID, CORROSIVE, ORGANIC, N.O.S.	4.1	FC1	III	4.1+8	274	LQ0	E1		PP, EP					0	
2926	FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.	4.1	FT1	II	4.1+6.1	274 802	LQ0	E2		PP, EP					2	
2926	FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S.	4.1	FT1	III	4.1+6.1	274 802	LQ0	E1		PP, EP					0	

UN No. or ID No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Carriage permitted	Equipment required	Ventilation	Provisions concerning loading, unloading and carriage			Number of blue cones/lights	Remarks
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	OC2	I	5.1+8	274	LQ0	E0		PP, EP					0	
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	OC2	II	5.1+8	274	LQ11	E2		PP, EP					0	
3085	OXIDIZING SOLID, CORROSIVE, N.O.S.	5.1	OC2	III	5.1+8	274	LQ12	E1		PP, EP					0	
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	OT2	I	5.1+6.1	274 802	LQ0	E0		PP, EP					2	
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	OT2	II	5.1+6.1	274 802	LQ11	E2		PP, EP					2	
3087	OXIDIZING SOLID, TOXIC, N.O.S.	5.1	OT2	III	5.1+6.1	274 802	LQ12	E1		PP, EP					0	
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	WT2	I	4.3+6.1	274 802	LQ0	E0		PP, EP, EX, TOX, A	VE01		HA08		2	
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	WT2	II	4.3+6.1	274 802	LQ11	E2		PP, EP, EX, TOX, A	VE01		HA08		2	
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	WT2	III	4.3+6.1	274 802	LQ12	E1		PP, EP, EX, TOX, A	VE01		HA08		0	
3179	FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.	4.1	FT2	II	4.1+6.1	274 802	LQ0	E2		PP, EP					2	
3179	FLAMMABLE SOLID, TOXIC, INORGANIC, N.O.S.	4.1	FT2	III	4.1+6.1	274 802	LQ0	E1		PP, EP					0	

UN No. or ID No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Carriage permitted	Equipment required	Ventilation	Provisions concerning loading, unloading and carriage			Number of blue cones/lights	Remarks
3180	FLAMMABLE SOLID, CORROSIVE, INORGANIC, N.O.S.	4.1	FC2	II	4.1+8	274	LQ0	E2		PP, EP					1	
3180	FLAMMABLE SOLID, CORROSIVE, INORGANIC, N.O.S.	4.1	FC2	III	4.1+8	274	LQ0	E1		PP, EP					0	
3369	SODIUM DINITRO-o-CRESOLATE, WETTED with not less than 10% water, by mass	4.1	DT	I	4.1+6.1	802	LQ0	E0		PP, EP					2	
3408	LEAD PERCHLORATE SOLUTION	5.1	OT1	II	5.1+6.1		LQ10	E2		PP, EP	VE02				2	
3408	LEAD PERCHLORATE SOLUTION	5.1	OT1	III	5.1+6.1		LQ13	E1		PP, EP	VE02				0	

Annex 4

ADDITIONAL CORRECTIONS

UN No. or ID No.	Name and description	Class	Classification code	Packing group	Labels	Special provisions	Limited and excepted quantities		Carriage permitted	Equipment required	Ventilation	Provisions concerning loading, unloading and carriage			Number of blue cones/lights	Remarks
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.6	3.5.1.2	3.2.1	8.1.5	7.1.6	7.1.6			7.1.5	3.2.1
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)			(12)	(13)
1589	CYANOGEN CHLORIDE, STABILIZED	2	2TC		2.3+8 +unst.		LQ0	E0		PP, EP, TOX, A	VE02				2	
3471	HYDROGENDIFLUORIDES SOLUTION, N.O.S.	8	CT1	II	8+6.1	802	LQ22	E2		PP, EP					0	
3471	HYDROGENDIFLUORIDES SOLUTION, N.O.S.	8	CT1	III	8+6.1	802	LQ7	E1		PP, EP					0	