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Working Party on the Transport of Dangerous Goods

**Joint Meeting of the RID Safety Committee and the
Working Party on the Transport of Dangerous Goods**
(Bern, 28 May – 1 June 2001)

PART 3

Note by the Secretariat */

This document contains proposed amendments to Part 3 of the restructured RID/ADR for harmonization with the 12th revised edition of the United Nations Recommendations on the Transport of Dangerous Goods, Model Regulations, on the basis of the decisions of the Committee of Experts on the Transport of Dangerous Goods at its twenty-first session, (Geneva, 4-13 December 2000) (See ST/SG/AC.10/27 and addenda 1 and 2).

PART 3

Chapter 3.1

3.1.2 Add the following notes under the heading "Proper shipping name":

"NOTE 1: For proper shipping names to be used for dangerous goods carried as limited quantities, see Chapter 3.4.

NOTE 2: For proper shipping names used for the carriage of samples, see 2.1.4.1".

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3.1.2.6 and
3.1.2.7

Insert new paragraphs 3.1.2.6 and 3.1.2.7 to read as follows:

"3.1.2.6 Except for self-reactive substances and organic peroxides and unless it is already included in capital letters in the name indicated in Column (2) of Table A of Chapter 3.2, the word "STABILIZED" shall be added as part of the proper shipping name of a substance which without stabilization would be forbidden from carriage in accordance with 1.1.3 due to it being liable to dangerously react under conditions normally encountered in carriage (e.g.: "TOXIC LIQUID, ORGANIC, N.O.S., STABILIZED").

When temperature control is used to stabilize such substances to prevent the development of any dangerous excess pressure, then:

- (a) For liquids: where the SADT is less than 50 °C, the provisions of 2.2.41.1.17, the special provision V8 of Chapter 7.2, the special provision S4 of Chapter 8.5 and the special provisions of Chapter 9.6 shall apply; for transport in IBCs and tanks, all the provisions applicable to UN No 3239 apply (see in particular 4.1.7.2, IBC520 et 4.2.1.13);
- (b) For gases: the conditions of carriage shall be approved by the competent authority.

3.1.2.7 Hydrates may be included under the proper shipping name for the anhydrous substance."

Renumber sub-section 3.1.2.6 as 3.1.2.8 accordingly.

3.1.2.8.1

(Former 3.1.2.6.1) Amend to read as follows:

"3.1.2.8.1 Generic and "not otherwise specified" proper shipping names that are assigned to special provision 274 in Column (6) of Table A in Chapter 3.2 shall be supplemented with their 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

(Former 3.1.2.6.1.1) Amend to read as follows:

"3.1.2.8.1.1 The technical name shall be a recognized chemical or other name currently used in scientific and technical handbooks, journals and texts. Trade names shall not be used for this purpose. In the case of pesticides, only ISO common name(s), other name(s) in the World Health Organization (WHO) Recommended Classification of Pesticides by Hazard and Guidelines to Classification, or the name(s) of the active substance(s) may be used."

Renumber following paragraphs and sub-paragraphs accordingly.

Chapter 3.2

Table A

In Table A, when the same UN number applies to both the liquid and solid form of a substance, the liquid entry is always to be listed first.

Wherever they appear in Column (6) of Table A, delete special provisions "15", "18", "36", "107", "222", "268", "287", "628", "629", "630" and "631".

Wherever it appears throughout Chapter 3.2:

- For all substances assigned to IBC08, packing group III : apply B3;
- For all substances assigned to IBC08, packing groups I or II : apply B4;
- For all substances assigned to IBC08, packing group III (other than those of Class 4.3): delete B4;
- For all substances assigned to IBC08: delete B3 when B4 is also applied.

Insert the following new entries for UN 2030 (packing groups I and III):

UN No.	Name and description	Class	Classif Code	Pack. group	Labels	Special prov.	Limited quant.	Packaging			UN Portable tank	
								Packing instructions	Special packing prov.	Mixed packing prov.	Instructions	Special prov.
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.6	4.1.4	4.1.4	4.1.10	4.2.4.2	4.2.4.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9a)	(9b)	(10)	(11)
2030	HYDRAZINE AQUEOUS SOLUTION, with more than 37% hidrazine, by mass	8	CT1	I	8 + 6.1	298	LQ0	P001		MP2	T20	TP2 TP13
		8	CT1	II	8 + 6.1	530	LQ22	P001 IBC02		MP15	T15	TP2 TP13
		8	CT1	III	8 + 6.1		LQ5	P001 IBC03 LP01 R001		MP15	T4	TP2

RID/ADR tank		Vehicle for tank carriage	Transport category	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3	3.1.2	
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
L10DH	TE1? TU14?	AT	1			CV13 CV28		886	2030	HYDRAZINE AQUEOUS SOLUTION, with more than 37% hidrazine, by mass
L10BH		AT	2			CV13 CV28				
LABN		AT	3			CV13 CV28		86		

Add the following new entries:

UN No.	Name and description	Class	Classif Code	Pack. group	Labels	Special prov.	Limited quant.	Packaging			UN Portable tank	
								Packing instructions	Special packing prov.	Mixed packing prov.	Instructions	Special prov.
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.6	4.1.4	4.1.4	4.1.10	4.2.4.2	4.2.4.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9a)	(9b)	(10)	(11)
1153	ETHYLENE GLYCOL DIETHYL ETHER	3	F1	II	3		LQ4	P001 IBC02 R001		MP19	T4	TP1
1372	FIBRES, ANIMAL or FIBRES, VEGETABLE burnt, wet or damp	4.2	S2	NOT SUBJECT TO RID/ADR								
1387	WOOL WASTE, WET	4.2	S2	NOT SUBJECT TO RID/ADR								
1856	RAGS, OILY	4.2	S2	NOT SUBJECT TO RID/ADR								
1857	TEXTILE WASTE, WET	4.2	S2	NOT SUBJECT TO RID/ADR								
3359	FUMIGATED UNIT	9	M11		9	302	LQ0					
3360	FIBRES, VEGETABLE, DRY	4.1	F1	NOT SUBJECT TO RID/ADR								
3361	CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.	6.1	TC1	II	6.1 + 8	274	LQ0	P001 IBC01		MP15	T11	TP2 TP13 TP27
3362	CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.	6.1	TFC	II	6.1 + 3 + 8	274	LQ0	P001 IBC01		MP15	T11	TP2 TP13 TP27
3363	DANGEROUS GOODS IN MACHINERY or DANGEROUS GOODS IN APPARATUS	9	M11		9	301	LQ0	P907				
3371	2 -METHYLBUTANAL	3	F1	II	3		LQ4	P001 IBC02 R001		MP19	T4	TP1
3372	ORGANOMETALLIC COMPOUND, SOLID, WATER-REACTIVE, FLAMMABLE, N.O.S.	4.3	WF1	I	4.3 + 4.1	274	LQ0	P403 IBC04		MP2		
		4.3	WF1	II	4.3 + 4.1	274	LQ11	P410 IBC04		MP14		
		4.3	WF1	III	4.3 + 4.1	223 274	LQ12	P410 IBC06		MP14		
3373	DIAGNOSTIC SPECIMENS	6.2	I1		6.2	274 634	LQ0	P650		MP15		

UN No.	Name and description	Class	Classif Code	Pack. group	Labels	Special prov.	Limited quant.	Packaging			UN Portable tank	
								Packing instructions	Special packing prov.	Mixed packing prov.	Instruc-tions	Special prov.
	3.1.2	2.2	2.2	2.1.1.3	5.2.2	3.3	3.4.6	4.1.4	4.1.4	4.1.10	4.2.4.2	4.2.4.3
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9a)	(9b)	(10)	(11)
3374	ACETYLENE, SOLVENT FREE	2	1F		2.1		LQ0	P200	PP23	MP9		
3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives	5.1	O2	II	5.1	306 309	LQ11	P099 IBC99		MP10	T2	TP9
3376	4 - NITROPHENYLHYDRAZINE, with not less than 30% water, by mass	4.1	D	II	4.1	28	LQ0	P406	PP26	MP2		

RID/ADR tank		Vehicle for tank carriage	Transport category	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3	3.1.2	
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
LGBF		FL	2				S2 S20	33	1153	ETHYLENE GLYCOL DIETHYL ETHER
NOT SUBJECT TO RID/ADR									1372	FIBRES, ANIMAL or FIBRES, VEGETABLE burnt, wet or damp
NOT SUBJECT TO RID/ADR									1387	WOOL WASTE, WET
NOT SUBJECT TO RID/ADR									1856	RAGS, OILY
NOT SUBJECT TO RID/ADR									1857	TEXTILE WASTE, WET
		AT	3?? 4??						3359	FUMIGATED UNIT
NOT SUBJECT TO RID/ADR									3360	FIBRES, VEGETABLE, DRY
LABH	TU15 TE1	AT	2			CV13 CV28	S9 S19	68	3361	CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.
			2			CV13 CV28	S2 S9 S19	638	3362	CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.
		AT	3?? 4??						3363	DANGEROUS GOODS IN MACHINERY or DANGEROUS GOODS IN APPARATUS
LGBF		FL	2				S2 S20	33	3371	2-METHYLBUTANAL
			0	V1		CV23		423	3372	ORGANOMETALLIC COMPOUND, SOLID, WATER-REACTIVE, FLAMMABLE, N.O.S.
			0	V1		CV23		423		
			0	V1		CV23		423		
			2			CV13 CV25 CV26 CV28	S3		3373	DIAGNOSTIC SPECIMENS

RID/ADR tank		Vehicle for tank carriage	Transport category	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special provisions			Packages	Bulk	Loading, unloading and handling	Operation			
4.3	4.3.5, 6.8.4	9.1.1.2	1.1.3.6	7.2.4	7.3.3	7.5.11	8.5	5.3.2.3	3.1.2	
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(1)	(2)
<i>CxBN(M)</i>		<i>FL</i>	<i>2</i>	<i>V7</i>		<i>CV9 CV10</i>	<i>S2</i>	<i>23</i>	3374	ACETYLENE, SOLVENT FREE
		<i>AT</i>	<i>2</i>			<i>CV24</i>	<i>S9 S14</i>	<i>50</i>	3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives
			<i>1</i>			<i>CV13 CV28</i>	<i>S17</i>		3376	4 - NITROPHENYLHYDRAZINE, with not less than 30% water, by mass

Amend the following entries as follows:

- UN 0015 Delete "8" in column (5);
- UN 0016 Delete "8" in column (5);
- UN 0154 This UN number becomes new UN 3364. Add "PP24" in column (9a);
- UN 0155 This UN number becomes new UN 3365. Add "PP24" in column (9a);
- UN 0209 This UN number becomes new UN 3366. Add "PP24" in column (9a);
- UN 0214 This UN number becomes new UN 3367. Add "PP24" in column (9a);
- UN 0215 This UN number becomes new UN 3368. Add "PP24" in column (9a);
- UN 0220 This UN number becomes new UN 3370. Add "PP78" in column (9a);
- UN 0223 Delete this entry;
- UN 0234 This UN number becomes new UN 3369. Add "PP24" in column (9a);
- UN 0303 Delete "8" in column (5);
- UN 0331 Add "(AGENT, BLASTING, TYPE B)" in column (2);
- UN 0332 Add "(AGENT, BLASTING, TYPE E)" in column (2);
- UN 0503 Delete "PYROTECHNIC" in the name in column (2) (three times) and add "235" in column (6).
- UN 1008 Amend the name in column (2) to read: "BORON TRIFLUORIDE"
- UN 1040 Amend the name in column (2) to read: "ETHYLENE OXIDE, or ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50 °C";
- UN 1057 In column (2), delete "(cigarettes)";
- UN 1062 Amend the name in column (2) to read: "METHYL BROMIDE with not more than 2% chloropicrin";
- UN 1177 Amend the name in column (2) to read: "2-ETHYLBUTYL ACETATE";
- UN 1278 Amend the name in column (2) to read: "1-CHLOROPROPANE";
- UN 1374 Insert special provision "300" in column (6);
- UN 1381 Insert "TP31" in column (11);

- UN 1422 Insert "TP31" in column (11);
- UN 1428 Insert "TP31" in column (11);
- UN 1556 For packing group I: insert "T14" in column (10) and "TP2", "TP9", "TP13" and "TP27" in column (11);
- For packing group II: insert "T11" in column (10) and insert "TP2", "TP13" and "TP27" in column (11);
- For packing group III: insert "T7" in column (10) and insert "TP2" and "TP28" in column (11);
- UN 1579 Add "T4" and "TP1" in column (10) and (11) respectively;
- UN 1581 Amend the name in column (2) to read: "CHLOROPICRIN AND METHYL BROMIDE MIXTURE with more than 2% chloropicrin";
- UN 1614 Replace "P200" with "P099" in column (8);
- UN 1702 Amend the name in column (2) to read : "1,1,2,2-TETRACHLOROETHANE";
- UN 1790 For packing group I: add "PP79" and "PP81" in column (9a);
- UN 1859 Amend the name in column (2) to read: "SILICON TETRAFLUORIDE";
- UN 1863 For packing group I: Add "TP28" in column (11);
- UN 1866 For packing group I: Add "TP28" in column (11);
- UN 1906 Add "TP28" in column (11);
- UN 1911 Amend the name in column (2) to read: "DIBORANE";
- UN 1942 Add "total" before "combustible" and replace "substances" with " "material" in the name in column (2) and add "306" in column (6);
- UN 1962 Amend the name in column (2) to read: "ETHYLENE";
- UN 1982 Amend the name in column (2) to read: "TETRAFLUOROMETHANE (REFRIGERANT GAS R14);
- UN 1993 For packing group I: Add "TP27" in column (11);
- UN 2031 For packing groups I and II: replace "P802" with "P001" in column (8) and add "PP81" in column (9a);
- UN 2036 Amend the name in column (2) to read: "XENON";

- UN 2037 Add special provision "303" in column (6);
- UN 2067 Delete "628" and add "307" in column (6);
- UN 2068 Delete this entry;
- UN 2069 Delete this entry;
- UN 2070 Delete this entry;
UN 2072 Delete this entry;
- UN 2193 Amend the name in column (2) to read: "HEXAFLUOROETHANE (REFRIGERANT GAS R116)";
- UN 2198 Amend the name in column (2) to read : "PHOSPHORUS PENTAFLUORIDE";
- UN 2203 Amend the name in column (2) to read : "SILANE";
- UN 2257 Insert "TP31" in column (11);
- UN 2264 Amend the name in column (2) to read: "N, N-DIMETHYLCYCLOHEXYLAMINE";
- UN 2277 Amend the name in column (2) to read: "ETHYL METHACRYLATE, STABILIZED";
- UN 2315 Add special provision "305" in column (6);
- UN 2417 Amend the name in column (2) to read: "CARBONYL FLUORIDE";
- UN 2451 Amend the name in column (2) to read: "NITROGEN TRIFLUORIDE";
- UN 2531 Insert "TP30" in column (11);
- UN 2571 Add "TP28" in column (11);
- UN 2579 Insert "TP30" in column (11);
- UN 2672 Add new special provision "B13" in column (9a);
- UN 2680 Amend the name in column (2) to read: "LITHIUM HYDROXIDE";
- UN 2684 Amend the name in column (2) to read: "3-DIETHYLAMINOPROPYLAMINE";
- UN 2699 Replace "P802" with "P001" in column (8);
- UN 2740 Insert "T20" in column (10) and insert "TP2" and "TP13" in column (11);
- UN 2793 Delete special provision "107" in column (6) and add special provision "223";
- UN 2797 Add "TP28" in column (11);

- UN 2880 Amend the name in column (2) to read:
"CALCIUM HYPOCHLORITE, HYDRATED, or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, with not less than 5.5% but not more than 16% water";
- UN 2907 Add "B14" and "PP80" in column (9a);
- UN 3027 Delete the portable tank instructions in columns (10) and (11);
- UN 3028 Add special provision "304" in column (6);
- UN 3052 For the solid entry, delete the portable tank instructions in columns (10) and (11);
- UN 3090 Add special provision "310" in column (6);
- UN 3151 Add special provision "305" in column (6);
- UN 3152 Add special provision "305" in column (6);
- UN 3166 Amend the name in column (2) to read as follows:
"ENGINE, INTERNAL COMBUSTION or VEHICLE, FLAMMABLE GAS, POWERED or VEHICLE, FLAMMABLE LIQUID, POWERED";
- UN 3221 Replace "LQ0" with "LQ14" in column (7);
- UN 3222 Replace " LQ0" with "LQ15" in column (7);
- UN 3223 Replace " LQ0" with " LQ14" in column (7);
- UN 3224 Replace " LQ0" with " LQ15" in column (7);
- UN 3225 Replace " LQ0" with " LQ16" in column (7);
- UN 3227 Replace " LQ0" with " LQ16" in column (7);
- UN 3229 Replace " LQ0" with " LQ16" in column (7);
- UN 3250 Add "TP28" in column (11);
- UN 3268 Delete "pyrotechnic" in the name in column (2) replace "235" with "280" in column (6) and add "LP902" in column (8);
- UN 3279 For packing group I: add TP 27 in column (11);
- UN 3295 For packing group I: add "TP28" in column (11);
- UN 3344 Add "PP80" in column (9a);

UN 3353 Delete this entry;

Chapter 3.3

SP 15 Delete.

SP 18 Delete.

SP 36 Delete.

SP 107 Delete.

SP 119 Amend the last sentence to read: "Refrigerating machines and refrigerating machine components are not subject to the requirements of RID/ADR if they contain less than 12 kg of gas in Class 2, group A or O according to 2.2.2.1.3, or if they contain less than 12 litres ammonia solution (UN 2672).".

SP 162 Replace "61 °C" with "60.5 °C".

SP 188 Amend to read as follows:

"Lithium cells and batteries offered for carriage are not subject to other provisions of RID/ADR 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 lithium-equivalent content is not more than 1.5 g;
- (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 aggregate lithium-equivalent content is not more than 8 g;
- (c) Each cell or battery is of the type proved to meet the requirements of each test in the *Manual of Tests and Criteria*, Part III, sub-section 38.3;
- (d) Cells and batteries are separated so as to prevent short circuits and are packed in strong packagings, except when installed in equipment; and
- (e) Except when installed in equipment, each package containing more than 24 lithium cells or 12 lithium batteries shall in addition meet the following requirements:
 - (i) Each package shall be marked indicating that it contains lithium batteries and that special procedures should be followed in the event that the package is damaged;
 - (ii) Each shipment shall be accompanied with a document indicating that packages contain lithium batteries and that special procedures should be followed in the event a package is damaged;

- (iii) Each package is 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
- (iv) Except in the case of lithium batteries packed with equipment, packages may not exceed 30 kg gross mass.

As used above and elsewhere in RID/ADR, "lithium content" means the mass of lithium in the anode of a lithium metal or lithium alloy cell, except in the case of a lithium-ion cell the "lithium-equivalent content" in grams is calculated to be 0.3 times the rated capacity in ampere-hours. "

SP 193 Amend to read as follows:

"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 not subject to the provisions of RID/ADR 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. "

(Consequential amendment: delete SP 624).

SP 196 Amend to read as follows:

"Formulations which in laboratory testing neither detonate in the cavitated state nor deflagrate, which show no effect when heated under confinement and which exhibit no explosive power may be carried under this entry. The formulation must also be thermally stable (i.e. the SADT is 60 °C or higher for a 50 kg package). Formulations not meeting these criteria shall be carried under the provisions of Class 5.2, (see 2.2.52.4). "

SP 216 Add at the end of the paragraph the following text:

"Sealed packets containing less than 10 ml of a packing group II or III flammable liquid absorbed into a solid material are not subject to the requirements of RID/ADR provided there is no free liquid in the packet. "

SP 222 Delete .

SP 227 Delete the first sentence.

SP 230 Amend (a) to read: "(a) Each cell or battery is of the type proved to meet the requirements of each test of the *Manual of Tests and Criteria*, Part III, sub-section 38.3;".

SP 235 Amend to read as follows:

"This entry applies to articles which contain Class 1 explosive substances and which may also contain dangerous goods of other classes. These articles are used as life-saving vehicle air bag inflators or air bag modules or seat-belt pretensioners."

SP 251 Add the following text:

"Chemical kits and first aid kits containing dangerous goods in inner packagings which do not exceed the quantity limits applicable to individual substances as specified in Column (7) of Table A of Chapter 3.2 may be carried in accordance with Chapter 3.4."

SP 268 Delete.

SP 280 Amend to read as follows:

"This entry applies to articles which are used as life-saving vehicle air bag inflators, or air bag modules or seat-belt pretensioners and which contain dangerous goods of Class 1 or dangerous goods of other classes and when carried as component parts and when these articles as presented for carriage have been tested in accordance with Test series 6 (c) of Part I of the *Manual of Tests and Criteria*, with no explosion of the device, no fragmentation of device casing or pressure vessel, and no projection hazard nor thermal effect which would significantly hinder fire-fighting or other emergency response efforts in the immediate vicinity."

SP 287 Delete.

SP 291 Amend the last sentence to read:

"Refrigerating machines and refrigerating-machine components are not subject to the requirements of RID/ADR if they contain less than 12 kg of gas."

SP 566 Amend to read:

"UN No. 2030 hydrazine aqueous solution, with more than 37% hydrazine, by mass, is a substance of Class 8."

SP 624 Delete. (See also SP 193).

SP 628 Delete (Consequential amendment from new 307).

SP 629 Delete.

SP 630 Delete.

SP 631 Delete.

Add the following new special provisions:

- "298 Solutions with a flash point of 60.5 °C or less shall bear a FLAMMABLE LIQUID label.
- 300 Fish meal or fish scrap shall not be carried 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 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 Table A of Chapter 3.2. Machinery and apparatus carried under this entry shall only contain dangerous goods which are authorized to be carried in accordance with the provisions of Chapter 3.4. The quantity of dangerous goods in machinery or apparatus shall not exceed the quantity specified in Column (7) of Table A 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 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 carried under this entry. The carriage of dangerous goods in machinery or apparatus where the quantity of dangerous goods exceeds the quantity specified in Column (7) of Table A of Chapter 3.2 is authorized when approved by the competent authority.
- 302 In the proper shipping name, the word "UNIT" means:
- a vehicle;
 - a wagon (RID only);
 - a container;
 - a road tank vehicle; or
 - a tank.
- Fumigated containers and vehicles are only subject to the provisions of 5.5.2.
- 303 The classification of UN 2037 shall be based on the gases contained therein and in accordance with the provisions of 2.2.2.
- 304 Batteries, dry, containing corrosive electrolyte which will not flow out of the battery if the battery case is cracked are not subject to the requirements of RID/ADR provided the batteries are securely packed and protected against short-circuits. Examples of such batteries are: alkali-manganese, zinc-carbon, nickel-metal hydride and nickel-cadmium batteries.
- 305 These substances are not subject to the requirements of RID/ADR when in concentrations of not more than 50 mg/kg.

- 306 This entry may only be used for substances that do not exhibit explosive properties of Class 1 when tested in accordance to Test Series 1 and 2 of Class 1 (see *Manual of Tests and Criteria*, Part I).
- 307 This entry may only be used for uniform mixtures containing ammonium nitrate as the main ingredient within the following composition limits:
- (a) Not less than 90 % ammonium nitrate with not more than 0.2% total combustible/organic material calculated as carbon and with added matter, if any, which is inorganic and inert towards ammonium nitrate ; or
 - (b) Less than 90% but more than 70% ammonium nitrate with other inorganic materials or more than 80% but less than 90% ammonium nitrate mixed with calcium carbonate and/or dolomite and not more than 0.4% total combustible/organic material calculated as carbon; or
 - (c) Nitrogen type ammonium nitrate based fertilizers containing mixtures of ammonium nitrate and ammonium sulphate with more than 45% but less than 70% ammonium nitrate and not more than 0.4% total combustible/organic material calculated as carbon such that the sum of the percentage compositions of ammonium nitrate and ammonium sulphate exceeds 70%.
- 309 This entry applies to non sensitised emulsions, suspensions and gels consisting primarily of a mixture of ammonium nitrate and a fuel phase, intended to produce a Type E blasting explosive only after further processing prior to use. The mixture typically has the following composition: 60 - 85 % ammonium nitrate; 5 - 30% water; 2 - 8% fuel; 0.5 - 4% emulsifier or thickening agent; 0 - 10 % soluble flame suppressants and trace additives. Other inorganic nitrate salts may replace part of the ammonium nitrate. These substances shall not be classified and carried unless authorized by the competent authority.
- 310 The testing requirements in Chapter 38.3 of the *Manual of Tests and Criteria* do not apply to production runs consisting of not more than 100 lithium cells and batteries, or to pre-production prototypes of lithium cells and batteries when these prototypes are carried for testing, if:
- (a) the cells and batteries are carried in an outer packaging that is a metal, plastics or plywood drum or a metal, plastics or wooden box and that meets the criteria for packing group I packagings; and
 - (b) each cell and battery is individually packed in an inner packaging inside an outer packaging and is surrounded by cushioning material that is non-combustible, and non-conductive."

Chapter 3.4

3.4.4 (c) Amend the last paragraph to read as follows:

"These markings shall be displayed within a diamond-shaped area. The width of line forming the diamond shall be at least 2 mm; the number shall be at least 6 mm high. Where more than one substance assigned to different UN numbers are included in the package, the diamond shall be large enough to include each relevant UN number."
