



**Economic and Social
Council**

Distr.
GENERAL

TRANS/WP.15/AC.1/84/Add.1
4 September 2001

ENGLISH
Original: ENGLISH AND
FRENCH

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

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**

**REPORT OF THE SESSION
Held in Bern from 28 May to 1 June 2001**

Addendum 1

Draft amendments to Parts 1 to 3 of the restructured RID/ADR

Texts adopted by the Joint Meeting

PART 1

Chapter 1.1

1.1.3.1 (a) Amend to read as follows:

“(a) The carriage of dangerous goods by private individuals where the goods in question are packaged for retail sale and are intended for their personal or domestic use or for their leisure or sporting activities provided that measures have been taken to prevent any leakage of contents in normal conditions of carriage. Dangerous goods in IBCs, large packagings or tanks are not considered to be packaged for retail sale.”.

1.1.3.1 (b) Amend to read as follows:

“(b) The carriage of machinery or equipment not specified in RID/this Annex and which happen to contain dangerous goods in their internal or operational equipment, provided that measures have been taken to prevent any leakage of contents in normal conditions of carriage;”.

1.1.3.1 (c) (ADR) Insert the following second and third sentences:

“Measures shall be taken to prevent any leakage of contents in normal conditions of carriage. These exemptions do not apply to Class 7.”

1.1.3.1 (c) (RID) Introductory sentence, end, read:

“... and the maximum quantities in accordance with 1.1.3.6.3 are not exceeded. Measures shall be taken to prevent any leakage of contents in normal conditions of carriage. The exemptions in accordance with this paragraph do not apply to Class 7.”

Delete existing table.

RID only: Insert the following new paragraphs:

“1.1.3.6 Total permissible maximum quantity per wagon or large container.”.

“1.1.3.6.1 (reserved)”.

“1.1.3.6.2 (reserved)”.

Same table and explanations as in existing 1.1.3.1 (c), with the following amendments:

In the explanations at the end of the table, replace “gases dissolved under pressure” by “dissolved gases”.

In the table, for transport category 4, insert “Class 6.2 : UN No.3373”.

Chapter 1.2

1.2.1 “*Aerosol*” and “*Aerosol dispenser*”: Replace these definitions with the following one:

“*Aerosol or aerosol dispenser* means non-refillable receptacles meeting the requirements of 6.2.2, made of metal, glass or plastics and containing a gas, compressed, liquefied or dissolved, with or without a liquid, paste or powder, and fitted with a release device allowing the contents to be ejected as solid or liquid particles in suspension in a gas, as a foam, paste or powder or in a liquid state or in a gaseous state;”.

“*Bundle of cylinders*”: Amend to read:

“*Bundle of cylinders* means an assembly of cylinders that are fastened together and which are interconnected by a manifold and carried as a unit. The total water capacity shall not exceed 3000 litres except that bundles intended for the carriage of toxic gases of Class 2 (groups starting with letter T according to 2.2.2.1.3) shall be limited to 1000 litres water capacity;”.

"Cryogenic receptacle" and "Cylinder": Add "water" before "capacity".

"Manuel of Tests and Criteria": At the end, add: "as amended by document ST/SG/AC.10/11/Rev.3/Amend.1".

"Maximum permissible gross mass": Amend a) to read:

"a) (for all categories of IBCs other than flexible IBCs) means the mass of the IBC and any service or structural equipment together with the maximum net mass."

"Multiple-element gas containers (MEGCs)": Add a NOTE to read:

"NOTE: For multimodal MEGCs, see Chapter 6.7".

"Pressure drum": Amend to read:

"Pressure drum" means a welded transportable pressure receptacle of a water capacity exceeding 150 litres and of not more than 1000 litres, (e.g. cylindrical receptacles equipped with rolling hoops, spheres on skids);".

"Salvage packaging": Delete "conforming to the applicable requirements of Chapter 6.1";

"Test pressure" : Amend to read: "*Test pressure* means the required pressure applied during a pressure test for initial or periodic inspection;".

"Tube": Add "water" before "capacity" and replace "5000 litres" with "3000 litres".

Insert the following definitions:

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

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

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

Pressure receptacle means a collective term that includes cylinders, tubes, pressure drums, closed cryogenic receptacles and bundles of cylinders;

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

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

Insert the following definitions immediately under the definition for Intermediate Bulk Container :

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

- (a) is produced as a UN type from a non-UN type; or
- (b) is converted from one UN design type to another UN design type.

Remanufactured IBCs are subject to the same requirements of RID/ADR that apply to new IBCs of the same type (see also design type definition in 6.5.4.1.1).

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

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

- (a) Cleaning;
- (b) Removal and reinstallation or replacement of body closures (including associated gaskets), or of service equipment, conforming to the original manufacturer's specifications, provided that the leaktightness of the IBC is verified; or
- (c) Restoration of structural equipment not directly performing a dangerous goods containment or discharge pressure retention function so as to conform to the design type (e.g. the straightening of legs or lifting attachments) provided that the containment function of the IBC is not affected."

Insert entries for "*Remanufactured IBC*", "*Repaired IBC*" and "*Routine maintenance of IBC*" in alphabetical order with the following reference: "(see "*Intermediate Bulk Container (IBC)*")".

- 1.2.2.2.2 (c) Replace "Gases dissolved under pressure" by "dissolved gases".

PART 2**Chapter 2.1**

2.1.1.3 Amend to read as follows:

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

Packing group I: Substances presenting high danger;

Packing group II: Substances presenting medium danger; and

Packing group III: Substances presenting low danger.

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

2.1.4.1 In the first sentence of the third paragraph and in the first example the word "sample" shall be in upper case to read as follows:

"... shall be supplemented with the word "SAMPLE" (e.g., FLAMMABLE LIQUID, N.O.S., SAMPLE)".

Chapter 2.2

2.2.1.1.7 Glossary of names : FUSE, INSTANTANEOUS, NON-DETONATING: UN No.0101.

At the end of the first sentence, insert "(Quickmatch)".

Delete the last sentence.

2.2.2.1.1 Add a new NOTE to read:

"NOTE 4: *Carbonated beverages are not subject to the provisions of [RID]/[ADR]."*

2.2.2.1.2 Amend to read as follows:

"The substances and articles of Class 2 are subdivided as follows:

1. *Compressed gas:* a gas which when packaged under pressure for carriage is entirely gaseous at -50 °C; this category includes all gases with a critical temperature less than or equal to -50 °C;

2. *Liquefied gas:* a gas which when packaged under pressure for carriage is partially liquid at temperatures above -50 °C. A distinction is made between:

High pressure liquefied gas: a gas with a critical temperature above -50 °C and equal to or below +65 °C; and

Low pressure liquefied gas: a gas with a critical temperature above +65 °C;

3. *Refrigerated liquefied gas*: a gas which when packaged for carriage is made partially liquid because of its low temperature;
4. *Dissolved gas*: a gas which when packaged under pressure for carriage is dissolved in a liquid phase solvent;
5. Aerosol dispensers and receptacles, small, containing gas (gas cartridges);
6. Other articles containing gas under pressure;
7. Non-pressurized gases subject to special requirements (gas samples).".

2.2.2.2.2 In the last indent: replace "gas dissolved under pressure" by "dissolved gas".

Add:

"- Aerosols where gases which are toxic according to 2.2.2.1.5 are used as propellants;

- Aerosols with contents meeting the criteria for packing group I for toxicity or corrosivity (see 2.2.61 and 2.2.8)".

2.2.41.4 Add a new Note 1 to read:

"NOTE 1: The classification given in this table is based on the technically pure substance (except where a concentration of less than 100 % is specified). For other concentrations, the substance may be classified differently following the procedures given in Part II of the Manual of Tests and Criteria and in 2.2.41.1.17.

Amend the existing Note to read as follows:

"NOTE 2: The codes "OP1 to "OP8" shown in the "Packing method" column refer to packing methods in packing instruction P520; (see also 4.1.7.1)."

Add the following entries:

SELF-REACTIVE SUBSTANCE	Concentration (%)	Packing method	Control temperature (°C)	Emergency temperature (°C)	UN generic entry	Remarks
2-DIAZO-1-NAPHTHOL SULPHONIC ACID ESTER MIXTURE, TYPE D	< 100	OP7			3226	(9)
2,5-DIETHOXY-4-(4- MORPHOLINYL)- BENZENEDIAZONIUM SULPHATE	100	OP7			3226	
4-(DIMETHYLAMINO)- BENZENEDIAZONIUM TRICHLOROZINCATE (-1)	100	OP8			3228	
2,5-DIBUTOXY-4-(4- MORPHOLINYL)- BENZENEDIAZONIUM, TETRACHLOROZINCATE (2:1)	100	OP8			3228	

In the list of self-reactive substances:

Under "Self-reactive substance" amend the following entries:

- For "BENZENE-1,3-DISULPHOHYDRAZIDE, as a paste" read "BENZENE-1,3-DISULPHONYL HYDRAZIDE, as a paste";
- For "BENZENE SULPHOHYDRAZIDE" read "BENZENESULPHONYL HYDRAZIDE";
- For "2-DIAZO-1-NAPHTHOL-4-SULPHOCHLORIDE" read "2-DIAZO-1-NAPHTHOL-4-SULPHONYL CHLORIDE";
- For "2-DIAZO-1-NAPHTHOL-5-SULPHOCHLORIDE" read "2-DIAZO-1-NAPHTHOL-5-SULPHONYL CHLORIDE";
- For "DIPHENYLOXIDE-4,4'-DISULPHOHYDRAZIDE" read "DIPHENYLOXIDE-4,4'-DISULPHONYL HYDRAZIDE";

Add the following new remark:

"(9) This entry applies to mixtures of esters of 2-diazo-1-naphthol-4-sulphonic acid and 2-diazo-1-naphthol-5-sulphonic acid which fulfil the criteria of paragraph 20.4.2 (d) of the *Manual of Test and Criteria*".

2.2.41.1.18 Add "3344" and "3376" to the UN Nos. listed in this paragraph and amend alphabetical index accordingly.

2.2.43.3 In the list of collective entries, under WF1, add:

"3372 ORGANOMETALLIC COMPOUND, SOLID, WATER-REACTIVE, FLAMMABLE, N.O.S.

2.2.52.4 In the list of Organic Peroxides, for each organic peroxide which has, in the column "Number (Generic entry)", the word "exempt", add in the last column "29)" as a reference to a new remark to be added at the end of the table which will read as follows:

"29) *Not subject to the requirements of RID/ADR for Class 5.2.*".

Add the following entries:

ORGANIC PEROXIDE	Conc. (%)	Diluent type A (%)	Diluent type B (%) 1)	Inert Solid (%)	Water (%)	Packing Method	Control. Temp. (°C)	Emerg. Temp. (°C)	Number (Generic entry)	Subsidiary risks and Remarks
DIISOPROPYL PEROXYDI-CARBONATE	28	72				OP7	- 15	- 5	3115	
PEROXY-ACETIC ACID, DISTILLED, TYPE F, stabilized	41					M	+ 30	+ 35	3119	13) 30)

Add a new remark at the end of the table to read as follows:

"30) *Formulation derived from distillation of peroxyacetic acid originating from peroxyacetic acid in concentration of not more than 41% with water, total active oxygen (Peroxyacetic acid+H₂O₂) £ 9.5%, which fulfils the criteria of the Manual of Tests and Criteria, paragraph 20.4.3 (f).*".

2.2.61.3 In the list of collective entries for "Toxic substances with subsidiary risk(s)",

Under TC1, add: "3361 CHLOROSILANES, TOXIC, CORROSIVE, N.O.S."

Under TFC, add: "3362 CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S."

2.2.62.1.6 Replace the existing 2.2.62.1.6 with the following text:

"Diagnostic specimens are any human or animal material, including, but not limited to, excreta, secreta, blood and its components, tissue and tissue fluids being carried for diagnostic or investigation purposes, but excluding live infected animals.

Diagnostic specimens shall be assigned to UN 3373 unless the source patient or animal has or may have a serious human or animal disease which can be readily transmitted from one individual to another, directly or indirectly, and for which effective treatment and preventive measures are not usually available, in which case they shall be assigned to UN 2814 or UN 2900.

***NOTE 1:** Blood which has been collected for the purpose of blood transfusion or for the preparation of blood products, and blood products and any tissues or organs intended for use in transplants are not subject to the provisions of [RID] [ADR].*

***NOTE 2:** Assignment to UN 2814 or UN 2900 shall be based on known medical history of the patient or animal, endemic local conditions, symptoms of the patient or animal, or professional judgement concerning individual circumstances of the patient or animal."*

2.2.62.1.8 Delete.

2.2.62.3 In the list of collective entries, add a new collective entry:

"I4 3373 DIAGNOSTIC SPECIMENS"

2.2.8.1.1 At the end the first sentence, delete: ", and may also cause other hazards."

2.2.8.1.4 Replace the reference to footnote "6" with "(see 2.2.8.1.5)". Insert the text of footnote 6 as a new 2.2.8.1.5 and renumber the following paragraphs and footnotes accordingly.

2.2.9.3 In the list of collective entries, under M11, add:

"3359 FUMIGATED UNIT" and
"3363 DANGEROUS GOODS IN MACHINERY or 3363 DANGEROUS GOODS
IN APPARATUS".

PART 3

Chapter 3.1

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

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

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 paragraphs 2.2.X.2 due to it being liable to dangerously react under conditions normally encountered in carriage (e.g.: "TOXIC LIQUID, ORGANIC, N.O.S., STABILIZED").

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

- (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 name of the goods unless a national law or international convention prohibits its disclosure if it is a controlled substance. For explosives of Class 1, the dangerous goods description may be supplemented by additional descriptive text to indicate commercial or military names. Technical 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".

Replace the entry for UN 2030 by the following three 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)
2030	HYDRAZINE AQUEOUS SOLUTION, with more than 37% hydrazine by mass	8	CT1	I	8 +6.1	298 530	LQ20	P001		MP8 MP17	T20	TP2 TP13
2030	HYDRAZINE AQUEOUS SOLUTION, with more than 37% hydrazine by mass	8	CT1	II	8 +6.1	530	LQ22	P001 IBC02		MP15	T15	TP2 TP13 TP13
2030	HYDRAZINE AQUEOUS SOLUTION, with more than 37% hydrazine by mass	8	CT1	III	8 +6.1	330	LQ19	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 Prov.			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)	
L10BH	TE1	AT	1			CV13 CV28		886	2030	HYDRAZINE AQUEOUS SOLUTION, with more than 37% hydrazine by mass
L4BN		AT	2			CV13 CV28		86	2030	HYDRAZINE AQUEOUS SOLUTION, with more than 37% hydrazine by mass
L4BN		AT	3			CV13 CV28		86	2030	HYDRAZINE AQUEOUS SOLUTION, with more than 37% hydrazine by mass

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	<i>NOT SUBJECT TO RID/ADR</i>								
1387	Wool waste, wet	4.2	S2	<i>NOT SUBJECT TO RID/ADR</i>								
1856	Rags, oily	4.2	S2	<i>NOT SUBJECT TO RID/ADR</i>								
1857	Textile waste, wet	4.2	S2	<i>NOT SUBJECT TO RID/ADR</i>								
3359	FUMIGATED UNIT	9	M11			302						
3360	Fibres, vegetable, dry	4.1	F1	<i>NOT SUBJECT TO RID/ADR</i>								
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	<i>NOT SUBJECT TO RID/ADR</i>									
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	WF2	I	4.3 +4.1	274	LQ0	P403 IBC04		MP2		
3372	ORGANOMETALLIC COMPOUND, SOLID, WATER-REACTIVE, FLAMMABLE, N.O.S.	4.3	WF2	II	4.3 +4.1	274	LQ11	P410 IBC04		MP14		
3372	ORGANOMETALLIC COMPOUND, SOLID, WATER-REACTIVE, FLAMMABLE, N.O.S.	4.3	WF2	III	4.3 +4.1	223 274	LQ12	P410 IBC06		MP14		
3373	DIAGNOSTIC SPECIMENS	6.2	I4			634	LQ0	P650				

RID/ADR tank		Vehicle for tank carriage	Transport category	Special provisions for carriage				Hazard identification No.	UN No.	Name and description
Tank code	Special prov.			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
<i>NOT SUBJECT TO RID/ADR</i>									1372	Fibres, animal or fibres, vegetable burnt, wet or damp
<i>NOT SUBJECT TO RID/ADR</i>									1387	Wool waste, wet
<i>NOT SUBJECT TO RID/ADR</i>									1856	Rags, oily
<i>NOT SUBJECT TO RID/ADR</i>									1857	Textile waste, wet
			4						3359	FUMIGATED UNIT
<i>NOT SUBJECT TO RID/ADR</i>									3360	Fibres, vegetable, dry
L4BH	TU15 TE1	AT	2			CV13 CV28	S9 S19	68	3361	CHLOROSILANES, TOXIC, CORROSIVE, N.O.S.
L4BH	TU15 TE1	FL	2			CV13 CV28	S2 S9 S19	638	3362	CHLOROSILANES, TOXIC, CORROSIVE, FLAMMABLE, N.O.S.
<i>NOT SUBJECT TO RID/ADR</i>									3363	Dangerous goods in machinery or dangerous goods in apparatus
LGBF		FL	2				S2 S20	33	3371	2-METHYLBUTANAL
			0	VI		CV23		X423	3372	ORGANOMETALLIC COMPOUND, SOLID, WATER-REACTIVE, FLAMMABLE, N.O.S.
			0	VI		CV23		X423	3372	ORGANOMETALLIC COMPOUND, SOLID, WATER-REACTIVE, FLAMMABLE, N.O.S.
			0	VI		CV23			3372	ORGANOMETALLIC COMPOUND, SOLID, WATER-REACTIVE, FLAMMABLE, N.O.S.
			4			CV13			3373	DIAGNOSTIC SPECIMENS

UN No.	Name and description	Class	Classi 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	2F		2.1		LQ0	P200		MP9		
3375	AMMONIUM NITRATE EMULSION or GEL, intermediate for blasting explosives	5.1	02	II	5.1	306 309	LQ11	P099 IBC99		MP2		
3376	4-NITROPHENYL HYDRAZINE, with not less than 30% water, by mas	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 Prov.			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)
			2	V7		CV9 CV10	S2	23	3374	ACETYLENE, SOLVENT FREE
			2			CV24	S9 S14	50	3375	AMMONIUM NITRATE EMULSION or SUSPENSION or GEL, intermediate for blasting explosives
			1				S17		3376	4 - NITROPHENYLHYDRAZINE, with not less than 30% water, by mass

Amend existing entries as follows:

UN Nos. 1364, 1365, 1841, 1931, 2211,3077 and 3314:add "B3" in column (9a).

UN Nos. 1374 and 3313 : Add "B4" in column (9a).

UN No. 2469 : Delete "B3" in column (9a).

Delete "(M)" in column 12 for the following UN Nos:

1003, 1038, 1073, 1913, 1951, 1961, 1963, 1966, 1970, 1972, 1977, 2187, 2201, 2591, 3136, 3138, 3158, 3311 and 3312.

For the following UN Nos, delete "COMPRESSED" in column 2 [applies also to table B], and amend the classification code (column (3b)) and the tank code (column 12) as follows:

1008	2TC	PxBH(M)
	1859	2TC PxBH(M)
	1911	2TF -
	1962	2F PxBN(M)
	1982	2A PxBN(M)
	2036	2A PxBN(M)
	2193	2A PxBN(M)
	2198	2TC -
	2203	2F PxBN(M)
	2417	2TC PxBH(M)
	2451	2O PxBN(M)

Amend the the following entries as follows:

- UN 0015 Delete "8" in column (5);
- UN 0016 Delete "8" in column (5);
- UN 0154 (Class 4.1) Renumber this entry as UN 3364 and move it accordingly to the appropriate place in the table. Add "PP24" in column (9a);
- UN 0155 (Class 4.1) Renumber this entry as UN 3365 and move it accordingly to the appropriate place in the table. Add "PP24" in column (9a);
- UN 0209 (Class 4.1) Renumber this entry as UN 3366 and move it accordingly to the appropriate place in the table. Add "PP24" in column (9a);
- UN 0214 (Class 4.1) Renumber this entry as UN 3367 and move it accordingly to the appropriate place in the table. Add "PP24" in column (9a);
- UN 0215 (Class 4.1) Renumber this entry as UN 3368 and move it accordingly to the appropriate place in the table. Add "PP24" in column (9a);
- UN 0220 (Class 4.1) Renumber this entry as UN 3370 and move it accordingly to the appropriate place in the table. Add "PP78" in column (9a);
- UN 0223 Delete this entry;
- UN 0234 (Class 4.1) Renumber this entry as UN 3369 and move it accordingly to the appropriate place in the table. 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 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 1350 (ADR) Replace "641" by "242" in column (6).
- 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 Add "PR7" in column (8) and "RR3" in column (9a);
- 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);
- Delete "RR1" 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); delete "RR1" 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" and delete "595" 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 2478 For packing group III, delete "539" in column (6).
- 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 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" and delete "595" in column (6);
- UN 3152 Add special provision "305" and delete "595" 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 provisions 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 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, nitrogen/potash or nitrogen/phosphate/potash type, containing not more than 70% ammonium nitrate and not more than 0.4% total combustible/organic material calculated as carbon or with not more than 45% ammonium nitrate and unrestricted combustible material. 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."

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 232 RID: Delete "when carried in quantities less than 400 kg per package, or".

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 242 RID: Delete "when carried in quantities less than 400 kg per package, or".

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 in accordance with the LQ code defined in 3.4.6 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 595 Delete.

SP 624 Delete.

SP 628 Delete.

SP 629 Delete.

SP 630 Delete.

SP 631 Delete.

SP 641 ADR: Amend to read: "Reserved".

Add the following new special provisions:

"242 Sulphur is not subject to [RID] [ADR] when it has been formed to a specific shape (e.g. prills, granules, pellets, pastilles or flakes).

298 Solutions with a flash point of 61 °C or less shall bear a label conforming to model No.3.

300 Fish meal or fish scrap shall not be loaded if the temperature at the time of loading exceeds 35 °C or 5 °C above the ambient temperature whichever is higher.

301 This entry only applies to machinery or apparatus containing dangerous substances as a residue or an integral element. 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 dangerous substance contained in accordance with the LQ Code defined in 3.4.6. If the machinery or apparatus contains more than one item of dangerous substance, the individual substances shall not be capable of reacting dangerously with one another (see definition of "dangerous reaction" in 1.2.1). When it is required to ensure liquid dangerous goods remain in their intended orientation, package orientation labels conforming to Model No. 11 shall be affixed on at least two opposite vertical sides with the arrows pointing to the top.

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 in accordance with the LQ Code defined in 3.4.6 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; or
a tank.

Fumigated containers and vehicles are only subject to the provisions of 5.5.2.

303 The classification of these receptacles (UN No.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 sub-section 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; 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 surrounded by a line that measures at least 100 x 100 mm. 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. If the size of the package so requires, the dimension may be reduced, provided the markings remain clearly visible."

Add the following sub-section 3.4.7:

"3.4.7 Overpacks containing packages conforming to 3.4.3, 3.4.4 or 3.4.5 shall be marked, as required by 3.4.4 (c) for each item of dangerous goods contained in the overpack, unless markings representative of all dangerous goods contained in the overpack are visible".
