

Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

Sub-Committee of Experts on the Transport of Dangerous Goods

9 June 2010

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Item 8 of the provisional agenda

Global harmonization of transport of dangerous goods regulations with the Model Regulations

Assignment of Special Provision 223

Note by the secretariat

1 At its thirty-sixth session, the Sub-Committee discussed the decision taken by the IMO DSC 14 (Ref: UN/SCETDG/36/INF.30) to assign a new special provision 964 (see text below), to UN 1486 (potassium nitrate), UN 1498 (sodium nitrate) and UN 1499 (sodium nitrate and potassium nitrate mixture), all substances of Class 5.1, PG III.

"964 This substance is not subject to the provisions of this code when transported in non friable prills or granules form and if it passes the test for oxidizing solid substances as reflected in the United Nations *Manual of Test and Criteria* (see 34.4.1) and is accompanied by a certificate from a laboratory accredited by a competent authority, stating that the product has been correctly sampled by trained staff from the laboratory and that the sample was correctly tested and has passed the test."

2 This issue is raised again at this session in EFMA informal document INF.37, and INF.46 from the expert from the Netherlands.

3 At the last session, a member of the secretariat noted that special provision 223 had not been included in ADR, RID, nor ADN. According to these international instruments applicable to inland transport, all substances of divisions 4.1, 4.2, 4.3 and 5.1 which are mentioned by name in the dangerous goods list may be classified as non-dangerous on the basis of the test procedures of the Manual of Tests and Criteria and of the criteria. Therefore the IMO decision for these three UN numbers was indeed inconsistent with the UN Recommendations, but was not inconsistent with the more general approach followed by Contracting Parties to ADR, RID or ADN. He recalled also that the criteria had also been introduced in the GHS for wider applications (ST/SG/AC.10/C.3/72, para 100).

4 The ADR, RID and ADN, in their Part 2 class related chapters, contain provisions which are equivalent to special provision 223 but which apply to all flammable solids of division 4.1, and all substances of divisions 4.2, 4.3 and 5.1 (paragraphs 2.2.41.1.6, 2.2.42.1.7, 2.2.43.1.7 and 2.2.51.1.5), e.g. paragraph 2.2.51.1.5 reads as follows :

"On the basis of the test procedures in the Manual of Tests and Criteria, Part III, Section 34.4 and the criteria set out in 2.2.51.1.6 to 2.2.51.1.9 it may also be determined whether the nature of a substance mentioned by name in Table A of Chapter 3.2 is such that the substance is not subject to the provisions for this class."

5 The list of substances concerned in the dangerous goods list is reproduced in the annex hereto.

NOTE: All entries all listed, although some are not relevant due to a physical form not suitable for testing (e.g matches).

6 The Sub-Committee may wish to consider, in the light of the discussions that took place at the last session (ST/SG/AC.10/C.3/72, paras 99 to 102) and new information provided in INF.37 and INF.46 in this informal document, whether the current RID/ADR/ADN approach is appropriate and should be reflected in the Model regulations (by assigning special provision 223 to the relevant entries) or, on the contrary, RID, ADR and ADN should be amended to follow the UN Model Regulations of assignment of special provision 223 on a case-by-case basis.

(1)	(2)	(3)	(4)	(5)	(6)
1312	BORNEOL	4.1		III	
1313	CALCIUM RESINATE	4.1		III	
1314	CALCIUM RESINATE, FUSED	4.1		III	
1318	COBALT RESINATE, PRECIPITATED	4.1		III	
1324	FILMS, NITROCELLULOSE BASE, gelatin coated, except scrap	4.1		III	
1328	HEXAMETHYLENE-TETRAMINE	4.1		III	
1330	MANGANESE RESINATE	4.1		III	
1331	MATCHES, 'STRIKE ANYWHERE'	4.1		III	293
1332	METALDEHYDE	4.1		III	
1334	NAPHTHALENE, CRUDE or NAPHTHALENE, REFINED	4.1		III	
1338	PHOSPHORUS, AMORPHOUS	4.1		III	
1346	SILICON POWDER, AMORPHOUS	4.1		III	32
1350	SULPHUR	4.1		III	242
1353	FIBRES or FABRICS IMPREGNATED WITH WEAKLY NITRATED NITROCELLULOSE, N.O.S.	4.1		III	
1363	COPRA	4.2		III	29
1364	COTTON WASTE, OILY	4.2		III	
1365	COTTON, WET	4.2		III	29
1372	FIBRES, ANIMAL or FIBRES, VEGETABLE burnt, wet or damp	4.2		III	117
1373	FIBRES or FABRICS, ANIMAL or VEGETABLE or SYNTHETIC, N.O.S. with oil	4.2		III	
1379	PAPER, UNSATURATED OIL TREATED, incompletely dried (including carbon paper)	4.2		III	
1386	SEED CAKE with more than 1.5% oil and not more than 11% moisture	4.2		III	29
1387	WOOL WASTE, WET	4.2		III	117
1403	CALCIUM CYANAMIDE with more than 0.1% calcium carbide	4.3		III	38
1438	ALUMINIUM NITRATE	5.1		III	
1444	AMMONIUM PERSULPHATE	5.1		III	
1451	CAESIUM NITRATE	5.1		III	
1454	CALCIUM NITRATE	5.1		III	208
1465	DIDYMIUM NITRATE	5.1		III	
1466	FERRIC NITRATE	5.1		III	
1467	GUANIDINE NITRATE	5.1		III	
1474	MAGNESIUM NITRATE	5.1		III	332
1486	POTASSIUM NITRATE	5.1		III	
1492	POTASSIUM PERSULPHATE	5.1		III	
1498	SODIUM NITRATE	5.1		III	
1499	SODIUM NITRATE AND POTASSIUM NITRATE MIXTURE	5.1		III	
1500	SODIUM NITRITE	5.1	6.1	III	
1505	SODIUM PERSULPHATE	5.1		III	
1507	STRONTIUM NITRATE	5.1		III	
1511	UREA HYDROGEN PEROXIDE	5.1	8	III	

1748	CALCIUM HYPOCHLORITE, DRY or CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 39% available chlorine (8.8% available oxygen)	5.1		III	316
1857	TEXTILE WASTE, WET	4.2		III	117
1869	MAGNESIUM or MAGNESIUM ALLOYS with more than 50% magnesium in pellets, turnings or ribbons	4.1		III	59
1872	LEAD DIOXIDE	5.1		III	
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		III	306
1944	MATCHES, SAFETY (book, card or strike on box)	4.1		III	293 294
1945	MATCHES, WAX 'VESTA'	4.1		III	294
3377	SODIUM PERBORATE MONOHYDRATE	5.1		III	
3486	CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 10% but not more than 39% available chlorine	5.1	8	III	314
2001	COBALT NAPHTHENATES, POWDER	4.1		III	
2006	PLASTICS, NITROCELLULOSE-BASED, SELF-HEATING, N.O.S.	4.2		III	274
2067	AMMONIUM NITRATE BASED FERTILIZER	5.1		III	186 306 307
2208	CALCIUM HYPOCHLORITE MIXTURE, DRY with more than 10% but not more than 39% available chlorine	5.1		III	314
2210	MANEB or MANEB PREPARATION with not less than 60% maneb	4.2	4.3	III	273
2213	PARAFORMALDEHYDE	4.1		III	
2217	SEED CAKE with not more than 1.5% oil and not more than 11% moisture	4.2		III	29 142
2254	MATCHES, FUSEE	4.1		III	293
2304	NAPHTHALENE, MOLTEN	4.1		III	
2448	SULPHUR, MOLTEN	4.1		III	
2469	ZINC BROMATE	5.1		III	
2538	NITRONAPHTHALENE	4.1		III	
2623	FIRELIGHTERS, SOLID with flammable liquid	4.1		III	
2687	DICYCLOHEXYLAMMONIUM NITRITE	4.1		III	
2714	ZINC RESINATE	4.1		III	
2715	ALUMINIUM RESINATE	4.1		III	
2717	CAMPHOR, synthetic	4.1		III	
2720	CHROMIUM NITRATE	5.1		III	
2722	LITHIUM NITRATE	5.1		III	
2724	MANGANESE NITRATE	5.1		III	
2725	NICKEL NITRATE	5.1		III	
2726	NICKEL NITRITE	5.1		III	
2728	ZIRCONIUM NITRATE	5.1		III	
2844	CALCIUM MANGANESE SILICON	4.3		III	
2844	CALCIUM MANGANESE SILICON	4.3		III	

2858	ZIRCONIUM, DRY, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	4.1		III	
2950	MAGNESIUM GRANULES, COATED, particle size not less than 149 microns	4.3		III	
2950	MAGNESIUM GRANULES, COATED, particle size not less than 149 microns	4.3		III	
2956	5-tert-BUTYL-2,4,6-TRINITRO-m-XYLENE (MUSK XYLENE)	4.1		III	132 133
2984	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 8% but less than 20% hydrogen peroxide (stabilized as necessary)	5.1		III	65
3174	TITANIUM DISULPHIDE	4.2		III	
3215	PERSULPHATES, INORGANIC, N.O.S.	5.1		III	
3216	PERSULPHATES, INORGANIC, AQUEOUS SOLUTION, N.O.S.	5.1		III	
3241	2-BROMO-2-NITROPROPANE-1,3-DIOL	4.1		III	246
3251	ISOSORBIDE-5-MONONITRATE	4.1		III	132 226
3378	SODIUM CARBONATE PEROXYHYDRATE	5.1		III	