

## 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

Thirty-second session  
Geneva, 3-7 December 2007  
Item 3 of the provisional agenda

### LISTING, CLASSIFICATION AND PACKING

#### Revised ST/SG/AC.10/C.3/2007/39

#### Subsidiary risks for toxic by inhalation liquids

#### Transmitted by the expert from Belgium

### Background

1. In July 2007, the Sub-Committee of Experts on the Transport of Dangerous Goods decided to introduce Special Provision 329 for the entries UN 3385, 3386, 3389 and 3390, in order to clarify that these toxic by inhalation liquids may also exhibit a flashpoint at or below 60 °C. Similarly, Special Provision 313 was introduced for the entries UN 3383 and 3384 to take account of the fact that these toxic by inhalation liquids may also exhibit a Class 8 subsidiary risk (as proposed in document ST/SG/AC.10/C.3/2007/25) (see ST/SG/AC.10/C.3/62, para. 40 and annex 1).

2. It became clear during the discussion that several experts favoured the introduction of new UN numbers for these substances with an additional subsidiary risk, this way forward being more user-friendly and better in line with the classification system of the Model Regulations. But in the absence of a written proposal to this extent, the matter was not pursued any further.

3. A check of column (6) of the dangerous goods list for the presence of a reference to special provisions 313 and 329 gives the following results:

- SP 313: for UN 1748, 2208, 2880 (also *introduced for UN 3383 and 3384*)
- SP 329: for UN 1391, 1649, **2030** (also *introduced for UN 3385, 3386, 3389, 3390*).

Thus, the elimination of these special provisions would result in the introduction of only **twelve** new UN numbers.

### Proposal

4. In consideration of the foregoing, the following amendments to the UN Model Regulations are proposed:

- (a) Eliminate special provisions 313 and 329 in Chapter 3.3;
- (b) For the entries UN 1391, UN 1649, **UN 2030**, UN 3385, UN 3386, UN 3389 and UN 3390, eliminate “329” in column (6) of the dangerous goods list in Section 3.2.2;
- (c) For the entries UN 1748, UN 2208, UN 2880, UN 3383 and UN 3384, eliminate “313” in column (6) of the dangerous goods list in Section 3.2.2;
- (d) Add the following new entries to the dangerous goods list in Section 3.2.2:

AAAA	ALKALI METAL DISPERSION, FLAMMABLE or ALKALINE EARTH METAL DISPERSION, FLAMMABLE	4.3	3	I	182 183	0	E0	P402			
BBBB	MOTOR FUEL ANTI-KNOCK MIXTURE, FLAMMABLE	6.1	3	I		0	E5	P602		T14	TP2 TP13
CCCC	CALCIUM HYPOCHLORITE, DRY, CORROSIVE or CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 39% available chlorine (8.8% available oxygen)	5.1	8	II	314	1 kg	E2	P002 IBC08	PP85 B2, B4, B13		
LLLL	<b>HYDRAZINE AQUEOUS SOLUTION, FLAMMABLE, with more than 37 % hydrazine, by mass</b>	<b>8</b>	<b>3 6.1</b>	<b>I</b>		<b>0</b>	<b>E0</b>	<b>P001</b>		<b>T10</b>	<b>TP2 TP13</b>
DDDD	CALCIUM HYPOCHLORITE MIXTURE, DRY, CORROSIVE with more than 10% but not more than 39% available chlorine	5.1	8	III	314	5 kg	E1	P002 IBC08 LP02	PP85 B3, B13		
EEEE	CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE, with not less than 5.5% but not more than 16% water	5.1	8	II	314 322	1 kg	E2	P002 IBC08	PP85 B2, B4, B13		
EEEE	CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE or CALCIUM HYPOCHLORITE, HYDRATED MIXTURE, CORROSIVE, with not less than 5.5% but not more than 16% water	5.1	8	III	223 314	5 kg	E1	P002 IBC08	PP85 B4		
FFFF	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 500 LC <sub>50</sub>	6.1	3 8	I	274	0	E5	P601		T22	TP2 TP13
GGGG	TOXIC BY INHALATION LIQUID, FLAMMABLE, CORROSIVE, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 10 LC <sub>50</sub>	6.1	3 8	I	274	0	E5	P602		T20	TP2 TP13
HHHH	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 500 LC <sub>50</sub>	6.1	4.3 3	I	274	0	E5	P601		T22	TP2 TP13
IIII	TOXIC BY INHALATION LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 10 LC <sub>50</sub>	6.1	4.3 3	I	274	0	E5	P602		T20	TP2 TP13
JJJJ	TOXIC BY INHALATION LIQUID, CORROSIVE, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 200 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 500 LC <sub>50</sub>	6.1	8 3	I	274	0	E5	P601		T22	TP2 TP13
KKKK	TOXIC BY INHALATION LIQUID, CORROSIVE, FLAMMABLE, N.O.S. with an inhalation toxicity lower than or equal to 1000 ml/m <sup>3</sup> and saturated vapour concentration greater than or equal to 10 LC <sub>50</sub>	6.1	8 3	I	274	0	E5	P602		T20	TP2 TP13

5. Add these new entries to the alphabetical index of substances and articles and entries FFFF to KKKK in Appendix A in the appropriate manner.