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

1 December 2022

Sub-Committee of Experts on the Transport of Dangerous Goods

Sixty first session

Geneva, 28 November – 6 December 2022

Item 6 (c) of the provisional agenda

Miscellaneous proposals for amendments to the Model Regulations on the Transport of Dangerous Goods: portable tanks

Transport of certain ALKALI METAL DISPERSIONS (UN 1391) and ALKALI METAL DISPERSIONS, FLAMMABLE (UN 3482) in portable tanks

Transmitted by the expert from the United States of America

Introduction

1. Based on the discussions of document ST/SG/AC.10/C.3/2022/61 submitted by the United States of America and the comments provided, the following revised proposal is submitted for the consideration of the Sub-Committee.
2. A comment was received suggesting the addition of TP17 which would require thermal insulation, when present to be made of inorganic non-combustible material. This change was suggested because the ADR contains a similar provision for transport of these materials in ADR tanks. This provision has not been proposed for adoption in this proposal as the guiding principles for TP17 say it should apply to blasting explosives and blasting agents of types B or E, ammonium nitrate, liquid (hot concentrated solution), and to ammonium nitrate emulsions, suspensions, or gels. It's currently assigned to 5 entries none of which share similar properties or hazard classes with the materials in this proposal. The closest parallels for the two UN numbers for the alkali dispersions are UN3148, UN3398 and UN3399, none of which have TP17 assigned in the Model Regulations, nor do they have TE5 assigned in the ADR. For this reason no amendment in this regard is proposed.
3. An additional commenter requested amendments to the Guiding Principles (C.3 para. 15) be made to include these UN number to the list of commodities currently shown as being assigned to TP7. The existing TP7 entry only lists 5 UN numbers out of 83 entries assigned this provision. Further work may be needed to look at the list of TP code assignments in the Guiding Principles.
4. This proposal includes changing TP1 to TP2 which lowers the degree of filling. This is consistent with the TP code assigned to materials of the same hazard class and packing group (e.g., UN3148, UN3398 and UN3399). Changes between ST/SG/AC.10/C.3/2022/61 and this document are highlighted below.

Proposal

5. In 3.2 Dangerous Goods List columns amend the entries for UN 1391 and UN 3482 and insert in 4.2.5.3 a new portable tank special provision XYZ as follows (new text is underlined):

UN No.	Name and description	Class or division	Subsidiary hazard	UN packing group	Special provisions	Limited and excepted quantities		Packagings and IBCs		Portable tanks and bulk containers	
						(7a)	(7b)	Packing instruction	Special packing provisions	Instructions	Special provisions
(1)	(2)	(3)	(4)	(5)	(6)	(7a)	(7b)	(8)	(9)	(10)	(11)
1391	ALKALI METAL DISPERSION or ALKALINE EARTH METAL DISPERSION	4.3		I	182 183	0	E0	P402		<u>T13</u>	TP1 TP2 TP7 <u>TPXYZ</u>
3482	ALKALI METAL DISPERSION, FLAMMABLE or ALKALINE EARTH METAL DISPERSION, FLAMMABLE	4.3	3	I	182 183	0	E0	P402		<u>T13</u>	TP1 TP2 TP7 <u>TPXYZ</u>

TPXYZ Portable tanks are not authorized for the transport of caesium or rubidium dispersions.