

## 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

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Item 6 of the provisional agenda

### LISTING, CLASSIFICATION AND PACKING

Portable tank instructions and special provisions for UN 3129

Transmitted by the expert from the United States of America

#### 1. Introduction

Currently there are no portable tank instructions assigned to water-reactive liquid, n.o.s., water-reactive liquid, corrosive, n.o.s. or to the PG I entries for water-reactive solid, n.o.s and water reactive solid, corrosive, n.o.s. It is proposed that tank assignments consistent with the "Guidelines for assigning portable tank requirements to substances in Classes 3 to 9" (see ST/SG/AC.10/25/Add.2) be assigned. These assignments are also consistent with similarly classed entries in the Dangerous Goods List (see Annex 1 for a listing of current tank assignments for 4.3 substances).

#### 2. Proposal

Add new portable tank instructions and portable tank special provisions to the following entries in the Dangerous Goods List as follows:

UN No.	Name and description	UN packing group	Portable tanks and bulk containers	
			Instructions	Special Provisions
3129	Water-reactive liquid, corrosive, n.o.s.	I	T10	TP2 TP9
		II	T7	TP2 TP28
		III	T7	TP1 TP28
3148	Water-reactive liquid, n.o.s.	I	T9	TP2 TP9
		II	T7	TP2 TP28
		III	T7	TP1 TP28
3131	Water-reactive solid, corrosive, n.o.s.	I	T9	TP33
2813	Water-reactive solid, n.o.s.	I	T9	TP33

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## Annex 1

Current Tank Assignments for 4.3 Liquid and Solid Substances							
UN#	UN Name and Description	Class	PG	S.R.	SP	Tank Instruction	Tank Special Provision
3401	ALKALI METAL AMALGAM, SOLID	4.3	I		182	T9	TP7 TP33
1390	ALKALI METAL AMIDES	4.3	II		182	T3	TP33
1393	ALKALINE EARTH METAL ALLOY, N.O.S.	4.3	II			T3	TP33
3402	ALKALINE EARTH METAL AMALGAM, SOLID	4.3	I		183	T9	TP7 TP33
1394	ALUMINIUM CARBIDE	4.3	II			T3	TP33
1395	ALUMINIUM FERROSILICON POWDER	4.3	II	6.1		T3	TP33
1396	ALUMINIUM POWDER, UNCOATED	4.3	II			T3	TP33
1396	ALUMINIUM POWDER, UNCOATED	4.3	III		223	T1	TP33
1398	ALUMINIUM SILICON POWDER, UNCOATED	4.3	III		37 223	T1	TP33
3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS	4.3	II		244	T3 BK1 BK2	TP33
3170	ALUMINIUM SMELTING BY-PRODUCTS or ALUMINIUM REMELTING BY-PRODUCTS	4.3	III		223 244	T1 BK1 BK2	TP33
1400	BARIUM	4.3	II			T3	TP33
2965	BORON TRIFLUORIDE DIMETHYL ETHERATE	4.3	I	3 8		T10	TP2 TP7
1401	CALCIUM	4.3	II			T3	TP33
1402	CALCIUM CARBIDE	4.3	I			T9	TP7 TP33
1402	CALCIUM CARBIDE	4.3	II			T3	TP33
1403	CALCIUM CYANAMIDE with more than 0.1% calcium carbide	4.3	III		38	T1	TP33
2844	CALCIUM MANGANESE SILICON	4.3	III			T1	TP33
1405	CALCIUM SILICIDE	4.3	II			T3	TP33
1405	CALCIUM SILICIDE	4.3	III		223	T1	TP33
3078	CERIUM, turnings or gritty powder	4.3	II			T3	TP33
2988	CHLOROSILANES, WATER-REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.	4.3	I	3 8		T10	TP2 TP7 TP9 TP13

Current Tank Assignments for 4.3 Liquid and Solid Substances							
UN#	UN Name and Description	Class	PG	S.R.	SP	Tank Instruction	Tank Special Provision
1183	ETHYLDICHLOROSILANE	4.3	I	3 8		T10	TP2 TP7 TP13
1408	FERROSILICON with 30% or more but less than 90% silicon	4.3	III	6.1	39 223	T1 BK2	TP33
2830	LITHIUM FERROSILICON	4.3	II			T3	TP33
2805	LITHIUM HYDRIDE, FUSED SOLID	4.3	II			T3	TP33
1417	LITHIUM SILICON	4.3	II			T3	TP33
2950	MAGNESIUM GRANULES, COATED, particle size not less than 149 microns	4.3	III			T1 BK2	TP33
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	II	4.2		T3	TP33
1418	MAGNESIUM POWDER or MAGNESIUM ALLOYS POWDER	4.3	III	4.2	223	T1	TP33
2624	MAGNESIUM SILICIDE	4.3	II			T3	TP33
2968	MANEB, STABILIZED or MANEB PREPARATION, STABILIZED against self-heating	4.3	III		223	T1	TP33
1409	METAL HYDRIDES, WATER-REACTIVE, N.O.S.	4.3	II		274	T3	TP33
3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3	II		274	T3	TP33
3208	METALLIC SUBSTANCE, WATER-REACTIVE, N.O.S.	4.3	III		223 274	T1	TP33
3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3	II	4.2	274	T3	TP33
3209	METALLIC SUBSTANCE, WATER-REACTIVE, SELF-HEATING, N.O.S.	4.3	III	4.2	223 274	T1	TP33
1242	METHYLDI-CHLOROSILANE	4.3	I	3 8		T10	TP2 TP7 TP13
3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3	I		274	T13	TP2 TP7
3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3	II		274	T7	TP2 TP7
3398	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE	4.3	III		223 274	T7	TP2 TP7

Current Tank Assignments for 4.3 Liquid and Solid Substances							
UN#	UN Name and Description	Class	PG	S.R.	SP	Tank Instruction	Tank Special Provision
3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	I	3	274	T13	TP2 TP7
3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	II	3	274	T7	TP2 TP7
3399	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE	4.3	III	3	223 274	T7	TP2 TP7
3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	I		274	T9	TP7 TP33
3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	II		274	T3	TP33
3395	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE	4.3	III		223 274	T1	TP33
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	I	4.1	274	T9	TP7 TP33
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	II	4.1	274	T3	TP33
3396	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE	4.3	III	4.1	223 274	T1	TP33
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	I	4.2	274	T9	TP7 TP33
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	II	4.2	274	T3	TP33
3397	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, SELF-HEATING	4.3	III	4.2	223 274	T1	TP33
1340	PHOSPHORUS PENTASULPHIDE, free from yellow and white phosphorus	4.3	II	4.1		T3	TP33
2257	POTASSIUM	4.3	I			T9	TP7 TP33

Current Tank Assignments for 4.3 Liquid and Solid Substances							
UN#	UN Name and Description	Class	PG	S.R.	SP	Tank Instruction	Tank Special Provision
3403	POTASSIUM METAL ALLOYS, SOLID	4.3	I			T9	TP7 TP33
1422	POTASSIUM SODIUM ALLOYS, LIQUID	4.3	I			T9	TP3 TP7 TP31
3404	POTASSIUM SODIUM ALLOYS, SOLID	4.3	I			T9	TP7 TP33
1428	SODIUM	4.3	I			T9	TP7 TP33
2835	SODIUM ALUMINIUM HYDRIDE	4.3	II			T3	TP33
1295	TRICHLOROSILANE	4.3	I	3 8		T14	TP2 TP7 TP13
3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3	II	8	274	T3	TP33
3131	WATER-REACTIVE SOLID, CORROSIVE, N.O.S.	4.3	III	8	223 274	T1	TP33
3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	II	4.1	274	T3	TP33
3132	WATER-REACTIVE SOLID, FLAMMABLE, N.O.S.	4.3	III	4.1	223 274	T1	TP33
2813	WATER-REACTIVE SOLID, N.O.S.	4.3	II		274	T3	TP33
2813	WATER-REACTIVE SOLID, N.O.S.	4.3	III		223 274	T1	TP33
3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	II	4.2	274	T3	TP33
3135	WATER-REACTIVE SOLID, SELF-HEATING, N.O.S.	4.3	III	4.2	223 274	T1	TP33
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	II	6.1	274	T3	TP33
3134	WATER-REACTIVE SOLID, TOXIC, N.O.S.	4.3	III	6.1	223 274	T1	TP33
1435	ZINC ASHES	4.3	III		223	T1	TP33
1436	ZINC POWDER or ZINC DUST	4.3	II	4.2		T3	TP33
1436	ZINC POWDER or ZINC DUST	4.3	III	4.2	223	T1	TP33