
Economic Commission for Europe

Inland Transport Committee

20 December 2010

Working Party on the Transport of Dangerous Goods

Joint Meeting of Experts on the Regulations annexed to the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN) (ADN Safety Committee)

Eighteenth session

Geneva, 24–27 January 2011

Item 4 of the provisional agenda

Proposals for amendments to the Regulations annexed to ADN

3.2.3 Table C

Transmitted by the Government of Germany¹

Introduction

1. At the 17th meeting of the Safety Committee, held from 23-26 August 2010, document WP.15/AC.2/17/INF.6 was presented. It describes the results of the informal working group on 'Substances' when it revised Table C at its 2nd session. After the discussion of this document the Safety Committee asked for a formal proposal for amendments for its 18th session (see report of the 17th session of the Safety Committee, ECE/TRANS/WP.15/AC.2/36 paras. 51-56).

Proposal

2. Based on the results of the informal working group on 'Substances' the proposal is intended to **amend Table C** as listed under item 5. The amendments are based on ADN 2009 including the corrigendum (ECE/TRANS/203, Vol. I and II and ECE/TRANS/203/Corr.1) as well as on the draft amendments to the Regulations annexed to ADN including the two corrigenda (ECE/ADN/9, ECE/ADN/9/Corr.1 and ECE/ADN/9/Corr.2). Any remarks and comments received to date were also taken into account.

3. In addition, it is further proposed to **include a new remark 40** under 3.2.3 of the explanations of Table C, column 20, as prepared by the informal working group on 'Substances'. This new remark 40 reads:

"This substance may contain over 0.1% carcinogenic substances. In this case "+CMR' has to be entered into column 5." It is to be allocated to the entries for UN 1011 BUTANE and UN 1969 ISOBUTANE."

The informal working group on 'Substances' will explain its proposal verbally.

¹ Distributed in German by the Central Commission for the Navigation of the Rhine under the symbol CCNR/ZKR/ADN/WP.15/AC.2/18/INF.03.

UN No. or substance identification No.	Name and description	Class	Classification code	Packing group	Dangers	Type of tank vessel	Cargo tank design	Cargo tank type	Cargo tank equipment	Opening pressure of the high-velocity vent valve in kPa	Maximum degree of filling in %	Relative density at 20 °C	Type of sampling device	Pump room below deck permitted	Temperature class	Explosion group	Anti-explosion protection required	Equipment required	Number of cones/blue lights	Additional requirements/Remarks
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1010	1,3-BUTADIENE, STABILIZED	2	2F		2.1+unst.+ CMR	G	1	1			91		1	No	T2	II B	yes	PP, EX, A PP, EP, EX, TOX, A	1	2; 3; 31
1010	BUTADIENE STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, having a vapour pressure at 70 °C not exceeding 1.1 MPa (11 bar) and a density at 50 °C not lower than 0.525 kg/l	2	2F		2.1+unst.	G	1	1			91		1	No	T2	II B II B ⁴⁾	yes	PP, EX, A	1	2; 3; 31
1011	BUTANE	2	2F		2.1+CMR 2.1+(CMR)	G	1	1			91		1	No	T2	II A	yes	PP, EX, A	1	31; 39 31; 40
1040	ETHYLENE OXIDE WITH NITROGEN up to a total pressure of 1 MPa (10 bar) at 50 °C	2	2TF		2.3+2.1	G	1	1			91		1	yes no	T2	II B	yes	PP, EP, EX, TOX, A	2	2: 3; 11; 31
1127	CHLOROBUTANES (2-CHLOROBUTANE)	3	F1	II	3	C	2	2	3	50	95	0.87	2	yes	T4⁻³⁾ T3	II A	yes	PP, EX, A	1	23
1127	CHLOROBUTANES (1-CHLORO-2-METHYLPROPANE)	3	F1	II	3	C	2	2	3	50	95	0.88	2	yes	T4⁻³⁾ T3	II A	yes	PP, EX, A	1	23
1135	ETHYLENE CHLOROHYDRIN (2-CHLOROETHANOL)	6.1	TF1	I	6.1+3 6.1+3+N3	C	2	2		30	95	1.21	1	no	T2	II A ⁸⁾	yes	PP, EP, EX, TOX, A	2	

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1153	ETHYLENE GLYCOL DIETHYL ETHER	3	F1	III	3	N	3	2			97	0.84	3	yes	T4 ³⁾ T4	II B ⁴⁾ II A ⁷⁾	yes	PP, EX, A	0	
1157	DIISOBUTYL KETONE	3	F1	III	3+N3+F	N	3	3			97	0.81	3	yes	T4 ³⁾ T2	II B ⁴⁾	yes	PP, EX, A	0	
1160	DIMETHYLAMINE AQUEOUS SOLUTION	3	FC	II	3+8 3+8+N3	C	2	2	3	50	95	0.82	2	yes	T2	II B ⁴⁾ II A	yes	PP, EP, EX, A	1	23
1163	DIMETHYLHYDRAZINE, UNSYMMETRICAL	6.1	TFC	I	6.1+3+8+N2+CMR	C	2	2	3	50	95	0.78	1	no	T3	II B ⁴⁾ II C	yes	PP, EP, EX, TOX, A	2	23
1167	DIVINYL ETHER, STABILIZED	3	F1	I	3+unst.	C	1	1			95	0.77	1	yes	T2	II B ⁷⁾ B	yes	PP, EX, A	1	2; 3
1171	ETHYLENE GLYCOL MONOETHYL ETHER	3	F1	III	3+CMR	N	2	3	3	10	97	0.93	3	yes	T3	II B	yes	PP, EX, A PP, EP, EX, TOX, A	0	
1172	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	3	F1	III	3+N3+CMR	N	2	3	3	10	97	0.98	3	yes	T2	II A	yes	PP, EX, A PP, EP, EX, TOX, A	0	
1175	ETHYLBENZENE	3	F1	II	3+N3	N	2	2		10	97	0.87	3	yes	T2	II B II A	yes	PP, EX, A	1	
1177	2-ETHYLBUTYL ACETATE	3	F1	III	3	N	3	2			97	0.88	3	yes	T3	II A II A ⁷⁾	yes	PP, EX, A	0	
1179	ETHYL BUTYL ETHER (ETHYL tert-BUTYL ETHER)	3	F1	II	3+N3	N	2	2		10	97	0.74	3	yes	T2	II B II B ⁴⁾	yes	PP, EX, A	1	

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1188	ETHYLENE GLYCOL MONOMETHYL ETHER	3	F1	III	3+CMR	N	2	3	3	10	97	0.97	3	yes	T3	II B	yes	PP, EX, A PP, EP, EX, TOX,A	0	
1191	OCTYL ALDEHYDES (2-ETHYLCAPRONALDEHYDE)	3	F1	III	3 +F 3+N3+F	C	2	2		30	95	0.82	2	yes	T4	II A II A ⁷⁾	yes	PP, EX, A	0	
1202	GAS OIL or DIESEL FUEL or HEATING OIL (LIGHT) (flash-point not more than 60 °C)	3	F1	III	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*	< 0,85	*	yes			no	PP *	0	*see flowchart
1202	GAS OIL or DIESEL FUEL or HEATING OIL (LIGHT) (flash-point more than 60 °C but not more than 100 °C)	3	F1	III	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*	< 1,1	*	yes			no	PP *	0	*see flowchart
1203	MOTOR SPIRIT or GASOLINE or PETROL	3	F1	II	3+N2+CMR+F	N	2	3	3	10	97	0,68 - 0,72 ¹⁰⁾	3	yes	T3	II A	yes	PP, EX, A PP, EP, EX, TOX,A	1	
1203	MOTOR SPIRIT or GASOLINE or PETROL, WITH MORE THAN 10 % BENZENE BOILING POINT ≤ 60 °C	3	F1	II	3 +CMR+F 3+N2+CMR+F	C	1	1			95		1	yes	T3	II A	yes	PP, EX, A PP, EP, EX, TOX,A	1	29
1203	MOTOR SPIRIT or GASOLINE or PETROL WITH MORE THAN 10 % BENZENE 60 °C < BOILING POINT ≤ 85 °C	3	F1	II	3 +CMR+F3+N2+CMR+F	C	2	2	3	50	95		2	yes	T3	II A	yes	PP, EX, A PP, EP, EX, TOX,A	1	23; 29

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1203	MOTOR SPIRIT or GASOLINE or PETROL WITH MORE THAN 10 % BENZENE 85 °C < BOILING POINT ≤ 115 °C	3	F1	II	3+CMR,F 3+N2+CMR+F	C	2	2		50	95		2	yes	T3	II A	yes	PP, EX, A PP, EP, EX, TOX,A	1	29
1203	MOTOR SPIRIT or GASOLINE or PETROL WITH MORE THAN 10 % BENZENE BOILING POINT > 115 °C	3	F1	II	3+CMR,F 3+N2+CMR+F	C	2	2		35	95		2	yes	T3	II A	yes	PP, EX, A PP, EP, EX, TOX,A	1	29
1208	HEXANES (n- HEXANE)	3	F1	II	3+N1 3+N2	C N	2	2 3	3	50	95 97	0.66	2	yes	T3	II A	yes	PP, EX, A	1	
1214	ISOBUTYLAMINE	3	FC	II	3+8 3+8+N3	C	2	2	3	50	95	0.73	2	yes	T2	II A II A ⁷⁾	yes	PP, EP, EX, A	1	23
1218	ISOPRENE, STABILIZED	3	F1	I	3+unst.+N2+CMR	N	1	1			95	0.68	1	yes	T3	II B	yes	PP, EX, A PP, EP, EX, TOX,A	1	2; 3; 5;16
1220	ISOPROPYLE ACETATE	3	F1	II	3	N	2	2		10	97	0.88	3	yes	T2	II A II A ⁷⁾	yes	PP, EX, A	1	
1223	KEROSENE	3	F1	III	3+N2+F	N	3	3			97	≤ 0,83	3	yes	T3	II A II A ⁷⁾	yes	PP, EX, A	0	14
1224	KETONES, LIQUID, N.O.S.	3	F1	II	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	1	14; 27; 29 *see flowchart

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1224	KETONES, LIQUID, N.O.S.	3	F1	III	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A*	0	14; 27 *see flowchart	
1235	METHYLAMINE, AQUEOUS SOLUTION	3	FC	II	3+8 3+8+N3	C	2	2		50	95	2	yes	T2	II A	yes	PP, EP, EX, A	1		
1247	METHYL METHACRYLATE MONOMER, STABILIZED	3	F1	II	3+unst. 3+unst.+N3	C	2	2		40	95	0.94	yes	T2	II A	yes	PP, EX, A	1	3; 5; 16	
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10 % BENZENE vp50 > 175 kPa	3	F1	I	3+CMR+F	C	1	1		95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	29	
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10 % BENZENE 110 kPa < vp50 ≤ 175 kPa	3	F1	II	3+CMR+F	C	1	1		95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	29	
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60 °C	3	F1	I	3+CMR+F	C	1	1		95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	29	
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60 °C	3	F1	I	3+CMR+F	C	2	2	3	50	95	2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	23; 29	

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60 °C	3	F1	II	3+CMR+F	C	1	1		95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	29	
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60 °C	3	F1	II	3+CMR+F	C	2	2	3	50	95	2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	23; 29; 38	
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa 60 °C < BOILING POINT ≤ 85 °C	3	F1	II	3+CMR+F	C	2	2	3	50	95	2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	23; 29	
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa 85 °C < BOILING POINT ≤ 115 °C	3	F1	II	3+CMR+F	C	2	2		50	95	2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	29	
1267	PETROLEUM CRUDE OIL WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT > 115 °C	3	F1	II	3+CMR+F	C	2	2		35	95	2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	29	
1267	PETROLEUM CRUDE OIL	3	F1	I	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*	*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	1	14; 29; *see flowchart	

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1267	PETROLEUM CRUDE OIL	3	F1	II	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	1	14; 29; *see flowchart
1267	PETROLEUM CRUDE OIL	3	F1	III	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	0	14; *see flowchart
1268	PETROLEUM DISTILLATES, N.O.S. WITH MORE THAN 10 % BENZENE or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10 % BENZENE vp50 > 175 kPa	3	F1	I	3+CMR+F	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29
1268	PETROLEUM DISTILLATES, N.O.S. WITH MORE THAN 10 % BENZENE or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10 % BENZENE 110 kPa < vp50 ≤ 175 kPa	3	F1	II	3+CMR+F	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1268	PETROLEUM DISTILLATES, N.O.S. WITH MORE THAN 10 % BENZENE or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60°C	3	F1	I	3+CMR+F	C	1	1		95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29	
1268	PETROLEUM DISTILLATES, N.O.S. WITH MORE THAN 10 % BENZENE or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60°C	3	F1	I	3+CMR+F	C	2	2	3	50	95	2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	23; 27; 29	
1268	PETROLEUM DISTILLATES, N.O.S. WITH MORE THAN 10 % BENZENE or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60°C	3	F1	II	3+CMR+F	C	1	1		95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29	
1268	PETROLEUM DISTILLATES, N.O.S. WITH MORE THAN 10 % BENZENE or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60°C	3	F1	II	3+CMR+F	C	2	2	3	50	95	2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	23; 27; 29; 38	

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1268	PETROLEUM DISTILLATES, N.O.S. WITH MORE THAN 10 % BENZENE or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60°C	3	F1	II	3+CMR+F	C	2	2	3	50	95	0.765	2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	23; 27; 29
1268	PETROLEUM DISTILLATES, N.O.S. WITH MORE THAN 10 % BENZENE or PETROLEUM PRODUCTS, N.O.S. WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa 60°C < BOILING POINT ≤ 85 °C	3	F1	II	3+CMR+F	C	2	2	3	50	95		2	yes	T 3	II A	yes	PP, EX, A PP, EP, EX, TOX,A	1	23; 27; 29
1268	PETROLEUM DISTILLATES, N.O.S. WITH MORE THAN 10 % BENZENE or PETROLEUM PRODUCTS, N.O.S, WITH MORE THAN 10 % BENZENE, vp50 ≤ 110 kPa 85 °C < BOILING POINT ≤ 115 °C	3	F1	II	3+CMR+F	C	2	2		50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1268	PETROLEUM DISTILLATES, N.O.S. WITH MORE THAN 10 % BENZENE or PETROLEUM PRODUCTS, N.O.S, WITH MORE THAN 10 % BENZENE, vp50 ≤ 110 kPa BOILING POINT > 115 °C	3	F1	II	3+CMR+F	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29
1268	PETROLEUM DISTILLATES, N.O.S or PETROLEUM PRODUCTS, N.O.S. (NAPHTHA) 110 kPa < vp50 ≤ 175 kPa	3	F1	II	3+N2+CMR+F	N	2	3	3	40 50	97	0.735	3	yes	T3	II A	yes	PP, EX, A PP, EP, EX, TOX,A	1	14; 27; 29
1268	PETROLEUM DISTILLATES; N.O.S or PETROLEUM PRODUCTS, N.O.S. (NAPHTHA) 110 kPa < vp50 ≤ 150 kPa	3	F1	II	3+N2+CMR+F	N	2	3	3	10	97	0.735	3	yes	T3	II A	yes	PP, EX, A PP, EP, EX, TOX,A	1	14; 29
1268	PETROLEUM DISTILLATES, N.O.S or PETROLEUM PRODUCTS, N.O.S. (NAPHTHA) vp50 ≤ 110 kPa	3	F1	II	3+N2+CMR+F	N	2	3		10	97	0.735	3	yes	T3	II A	yes	PP, EX, A PP, EP, EX, TOX,A	1	14; 29

UN No. or substance identification No.	Name and description	Class	Packing group	Dangers	Type of tank vessel	Cargo tank design	Cargo tank type	Cargo tank equipment	Opening pressure of the high-velocity vent valve in kPa	Maximum degree of filling in %	Relative density at 20 °C	Type of sampling device	Pump room below deck permitted	Temperature class	Explosion group	Anti-explosion protection required	Equipment required	Number of cones/blue lights	Additional requirements/Remarks	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (BENZENE HEART CUT) vp50 ≤ 110 kPa	3	F1	II	3+N2+CMR+F	N	2	3		10	97	0.765	3	yes	T3	II A	yes	PP, EX, A PP, EP, EX, TOX, A	1	14; 29
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	F1	I	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	1	14; 27; 29 *see flowchart
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	F1	II	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	1	14; 27; 29 *see flowchart
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	F1	III	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	0	14; 27 *see flowchart
1277	PROPYLAMINE (1-aminopropane)	3	FC	II	3+8	C	2	2	3	50	95	0.72	2	yes	T3 ²⁾ T2	II A	yes	PP, EP, EX, A	1	23
1280	PROPYLENE OXIDE	3	F1	I	3+unst.+N3+CMR	C	1	1			95	0.83	1	yes	T2	II B	yes	PP, EX, A PP, EP, EX, TOX, A	1	2; 12; 31
1294	TOLUENE	3	F1	II	3+N3	N	2	2		10	97	0.87	3	yes	T1	II A ⁸⁾ II A	yes	PP, EX, A	1	

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1578	CHLORONITROBENZENES, SOLID, MOLTEN (p-CHLORONITROBENZENE)	6.1	T2	II	6.1+N2+S	C	2	1	2	25	95	1.37	2	no	T4 ³⁾ T1	II B ⁴⁾	yes	PP, EP, EX, TOX, A	2	7; 17; 26
1595	DIMETHYL SULPHATE	6.1	TC1	I	6.1+8+N3+CMR	C	2	2		25	95	1.33	2 3	no			no	PP, EP, TOX, A	2	
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	C5	II	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 30; 34 *see flowchart
1719	CAUSTIC ALKALI LIQUID, N.O.S.	8	C5	III	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 30; 34 *see flowchart
1760	CORROSIVE LIQUID, N.O.S.	8	C9	I	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart
1760	CORROSIVE LIQUID, N.O.S.	8	C9	II	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart
1760	CORROSIVE LIQUID, N.O.S.	8	C9	III	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart
1764	DICHLOROACETIC ACID	8	C3	II	8+N1	C	2	2		35	95	1.56	2	yes	T1	II All A ⁷⁾	yes	PP, EP, EX, A	0	476: 17°C; 17

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1848	PROPIONIC ACID with not less than 10% and less than 90% acid by mass	8	C3	III	8+N3	N	3	3		97	0.99	3	yes	T4	II A ²⁾	yes no	PP, EP, EX, A PP, EP	0	34	
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10 % BENZENE vp50 > 175 kPa	3	F1	I	3+CMR+F	C	1	1		95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	29	
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10 % BENZENE 110 kPa < vp50 ≤ 175 kPa	3	F1	II	3+CMR+F	C	1	1		95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	29	
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60 °C	3	F1	II	3+CMR+F	C	1	1		95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	29	
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa 60 °C < BOILING POINT ≤ 85 °C	3	F1	II	3+CMR+F	C	2	2	3	50	95	2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	23; 29	
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa 85 °C < BOILING POINT ≤ 115 °C	3	F1	II	3+CMR+F	C	2	2		50	95	2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	29	

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1863	FUEL, AVIATION, TURBINE ENGINE WITH MORE THAN 10 % BENZENE $vp_{50} \leq 110$ kPa BOILING POINT > 115 °C	3	F1	II	3+CMR+F	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX, A	1	29
1863	FUEL, AVIATION, TURBINE ENGINE	3	F1	I	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	1	14; 29 *see flowchart
1863	FUEL, AVIATION, TURBINE ENGINE	3	F1	II	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	1	14; 29 *see flowchart
1863	FUEL, AVIATION, TURBINE ENGINE	3	F1	III	3+(N1, N2, N3, CMR, F)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	0	14 *see flowchart
1922	PYRROLIDINE	3	FC	II	3+8	C	2	2		50	95	0.86	2	yes	T2	II A II A ⁷⁾	yes	PP, EP, EX, A	1	
1969	ISOBUTANE	2	2F		2.1 2.1(+CMR)	G	1	1			91		1	yes	T2 ¹⁾	II A II A ⁷⁾	yes	PP, EX, A	1	31; 30 31; 40
1987	ALCOHOLS, N.O.S.	3	F1	II	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes	T4 ³⁾	PP, EX, A *	yes	PP, EX, A	1	14; 27; 29 *see flowchart

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1987	ALCOHOLS, N.O.S.	3	F1	III	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes	T4 ³⁾	PP, EX, A*	yes	PP, EX, A	0	14; 27 *see flowchart
1989	ALDEHYDES, N.O.S.	3	F1	II	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A*	1	14; 27; 29 *see flowchart
1989	ALDEHYDES, N.O.S.	3	F1	III	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A*	0	14; 27 *see flowchart
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE vp50 >175 kPa	3	F1	I	3+CMR	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE 110 kPa < vp50 ≤ 175 kPa	3	F1	I	3+CMR	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60 °C	3	F1	II	3+CMR	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE $vp_{50} \leq 110$ kPa 60 °C < BOILING POINT ≤ 85 °C	3	F1	II	3+CMR	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	23; 27; 29
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE $vp_{50} \leq 110$ kPa 85 °C < BOILING POINT ≤ 115 °C	3	F1	II	3+CMR	C	2	2		50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE $vp_{50} \leq 110$ kPa BOILING POINT > 115 °C	3	F1	II	3+CMR	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29
1993	FLAMMABLE LIQUID, N.O.S.	3	F1	I	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	1	14; 27; 29 *see flowchart
1993	FLAMMABLE LIQUID, N.O.S.	3	F1	II	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	1	14; 27; 29 *see flowchart
1993	FLAMMABLE LIQUID, N.O.S.	3	F1	III	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	0	14; 27 *see flowchart

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE 60 °C < BOILING POINT ≤ 85 °C	3	F1	III	3+CMR	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	0	23; 27; 29
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE 85 °C < BOILING POINT ≤ 115 °C	3	F1	III	3+CMR	C	2	2		50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	0	27; 29
1993	FLAMMABLE LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE BOILING POINT > 115 °C	3	F1	III	3+CMR	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	0	27; 29
2022	CRESYLIC ACID	6.1	TC1	II	6.1+8+3+S	C	2	2		25	95	1.03	2	no	T1	II A II A ⁷⁾	yes	PP, EP, EX, TOX, A	2	6: +16 °C; 17
2046	CYMENES	3	F1	III	3+N2+F	N	3	3			97	0.88	3	yes	T2	II A II A ⁷⁾	yes	PP, EX, A	0	
2047	DICHLOROPROPENES (2,3-DICHLOROPROP-1-ENE)	3	F1	II	3+N2+CMR	C	2	2		45	95	1.2	2	yes	T1	II A II A ⁷⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	
2047	DICHLOROPROPENES (MIXTURES of 2,3-DICHLOROPROP-1-ENE and 1,3-DICHLOROPROPENE)	3	F1	II	3+N2+CMR3 +N1+CMR	C	2	2		45	95	1.23	2	yes	T2 ¹⁾	II All A ⁷⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2047	DICHLOROPROPENES (MIXTURES of 2,3-DICHLOROPROP-1-ENE and 1,3-DICHLOROPROPENE)	3	F1	III	3+N2+CMR 3+N1+CMR	C	2	2		45	95	1.23	2	yes	T2 ¹⁾	II A II A ⁷⁾	yes	PP, EX, A PP, EP, EX, TOX, A	0	
2047	DICHLOROPROPENES (1,3-DICHLOROPROPENE)	3	F1	III	3+N2+CMR 3+N1+CMR	C	2	2		40	95	1.23	2	yes	T2 ¹⁾	II A ⁷⁾	yes	PP, EX, A PP, EP, EX, TOX, A	0	
2051	2-DIMETHYLAMINO ETHANOL	8	CF1	II	8+3+N3	N	3	2			97	0.89	3	yes	T3	II A II A ⁷⁾	yes	PP, EP, EX, A	1	34
2057	TRIPROPYLÈNE	3	F1	II	3 3+N2	N	2	2		10	97	0.744	3	yes	T3	II B ⁴⁾	yes	PP, EX, A	1	
2057	TRIPROPYLENE	3	F1	III	3 3+N2	N	3	2			97	0.73	3	yes	T3	II B ⁴⁾	yes	PP, EX, A	0	
2205	ADIPONITRILE	6.1	T1	III	6.1	C	2	2		25	95	0.96	2	no	T4³⁾ T4	II B ⁴⁾	yes	PP, EP, EX, TOX, A	0	47 6: 6°C; 17
2218	ACRYLIC ACID, STABILIZED	8	CF1	II	8+3+unst.+N1	C	2	2	4	30	95	1.05	1	yes	T2	II A⁷⁾ II B	yes	PP, EP, EX, A	1	3; 4; 5; 17
2227	n-BUTYL METHACRYLATE, STABILIZED	3	F1	III	3+unst. 3+unst.+N3+ F	C	2	2		25	95	0.9	1	yes	T3	II A	yes	PP, EX, A	0	3; 5
2238	CHLOROTOLUENES (o-CHLOROTOLUENE)	3	F1	III	3+S 3+N2+S	C	2	2		30	95	1.08	2	yes	T1	II A ⁷⁾	yes	PP, EX, A	0	

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2238	CHLOROTOLUENES (p-CHLOROTOLUENE)	3	F1	III	3+S 3+N2+S	C	2	2		30	95	1.07	2	yes	T1	II A ⁷⁾	yes	PP, EX, A	0	6: +11 °C; 17
2241	CYCLOHEPTANE	3	F1	II	3+N2	N	2	3		10	97	0.81	3	yes	T4 ³⁾	II A II A ⁷⁾	yes	PP, EX, A	1	
2259	TRIETHYLENETETRAMINE	8	C7	II	8+N2	N	3	3			97	0.98	3	yes	T2	II B ⁴⁾	yes	PP, EP, EX, A	0	346: 16°C; 17; 34
2265	N,N-DIMETHYLFORMAMIDE	3	F1	III	3+CMR	N	2	3	3	10	97	0.95	3	yes	T2	II A	yes	PP, EX, A PP, EP, EX, TOX,A	0	
2266	DIMETHYL-N-PROPYLAMINE	3	FC	II	3+8	C	2	2	3	50	95	0.72	2	yes	T4	II A II A ⁷⁾	yes	PP, EP, EX, A	1	23
2288	ISOHEXENES	3	F1	II	3+unst. 3+unst.+N3	C	2	2	3	50	95	0.735	2	yes	T2	II B ⁴⁾	yes	PP, EX, A	1	3; 23
2289	ISOPHORONEDIAMINE	8	C7	III	8+N2	N	3	3			97	0.92	3	yes	T2	II A II A ⁷⁾	yes	PP, EP, EX, A	0	47-34 6: 14°C; 17; 34
2321	TRICHLOROBENZENES, LIQUID (1,2,4-TRICHLOROBENZENE)	6.1	T1	III	6.1+N1+S	C	2	2	2	25	95	1.45	2	no	T1	II A II A ⁷⁾	yes	PP, EP, EX, TOX, A	0	7; 17
2325	1,3,5-TRIMETHYLBENZENE	3	F1	III	3+N1	C	2	2		35	95	0.87	2	yes	T1	II A II A ⁷⁾	yes	PP, EX, A	0	
2357	CYCLOHEXYLAMINE	8	CF1	II	8+3+N3	N	3	2			97	0.86	3	yes	T3	II A⁸⁾ II B ⁴⁾	yes	PP, EP, EX, A	1	34

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2382	DIMETHYLHYDRAZINE, SYMMETRICAL	6.1	TF1	I	6.1+3+CMR	C	2	2		50	95	0.83	1	yes no	T4 ³⁾	II C II C ⁵⁾	yes	PP, EP, EX, TOX, A	2	
2383	DIPROPYLAMINE	3	FC	II	3+8 3+8+N2	C	2	2		35	95	0.74	2	no yes	T3	II A	yes	PP, EP, EX, A	1	
2397	3-METHYLBUTAN-2-ONE	3	F1	II	3	N	2	2		10	97	0.81	3	yes	T1	II A II A ⁷⁾	yes	PP, EX, A	1	
2404	PROPIONITRILE	3	FT1	II	3+6.1	C	2	2		45	95	0.78	2	no	T1 ⁹⁾	II A II A ⁷⁾	yes	PP, EP, EX, TOX, A	2	
2430	ALKYLPHENOLS, SOLID, N.O.S. (NONYLPHENOL, ISOMERIC MIXTURE, MOLTEN)	8	C4	II	8+N1+F	C	2	4 2	2	25	95	0.95	2	yes	T2	II A ⁷⁾	yes	PP, EP, EX, A	0	7; 17
2430	ALKYLPHENOLS, SOLID, N.O.S. (NONYLPHENOL, ISOMERIC MIXTURE, MOLTEN)	8	C4	II	8+N1+F	C	2	21	4	25	95	0.95	2	yes			no	PP, EP	0	7; 17; 20: +125 °C
2477	METHYL ISOTHIOCYANATE	6.1	TF1	I	6.1+3+N1	C	2	2	2	35	95	1,07 ¹¹⁾	2 1	no	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	2	7; 17
2486	ISOBUTYL ISOCYANATE	3	FT1	II	3+6.1	C	2	2		40	95		2	no	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, TOX, A	4 2	
2491	ETHANOLAMINE or ETHANOLAMINE SOLUTION	8	C7	III	8+N3	N	3	2		97	1.02		3	yes	T2	II B ⁴⁾	yes	PP, EP, EX, A	0	47-34 6: 14°C; 17: 34

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2531	METHACRYLIC ACID, STABILIZED	8	C3	II	8+unst.+N3	C	2	2	4	25	95	1.02	1	yes	T2	II B ⁴⁾	yes	PP, EP, EX, A	0	3; 4; 5; 17 3; 4; 5; 7; 17
2564	TRICHLOROACETIC ACID SOLUTION	8	C3	III	8+N1	C	2	2		25	95	1,62 ¹¹⁾	2	yes	T4	II A ⁷⁾	yes no	PP, EP, EX, A PP, EP	0	22
2574	TRICRESYL PHOSPHATE with more than 3% ortho isomer	6.1	T1	II	6.1+S 6.1+N1+S	C	2	2		25	95	1.18	2	no			no	PP, EP, TOX, A	2	
2618	VINYLTOLUENES, STABILIZED	3	F1	III	3+unst.+F 3+unst.+N2+F	C	2	2		25	95	0.92	1	yes	T1	II B ⁴⁾	yes	PP, EX, A	0	3; 5
2672	AMMONIA SOLUTION (relative density between 0.880 and 0.957 at 15 °C in water, with more than 10% but not more than 35 % ammonia)	8	C5	III	8+N1	C	2	2		50	95	0,88 ¹⁰⁾ - 0,96 ¹⁰⁾	2	yes			no	PP, EP	0	34
2709	BUTYLBENZENES	3	F1	III	3+N1+F	C	2	2		35	95	0.87	2	yes	T2	II A II A ⁷⁾	yes	PP, EX, A	0	
2733	AMINES, FLAMMABLE, CORROSIVE, N.O.S. or POLYAMINES, FLAMMABLE, CORROSIVE, N.O.S. (2-AMINOBTANE)	3	FC	II	3+8 3+8+N1	C	2	2	3	50	95	0.72	2	yes	T4 ³⁾	II A II A ⁷⁾	yes	PP, EP, EX, A	1	23

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	C7	I	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	C7	II	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
2735	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S.	8	C7	III	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
2789	ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION, more than 80 % acid, by mass	8	CF1	II	8+3	N	2	3	2	10	95	1,05 with 100% acid	yes	T1	II A II A ⁷⁾	yes	PP, EP, EX, A	1	7; 17; 34	
2790	ACETIC ACID SOLUTION, not less than 50 % but not more than 80 % acid, by mass	8	C3	II	8	N	2	3		10	95 97		yes			no	PP, EP	0	34	
2790	ACETIC ACID SOLUTION, more than 10 % and less than 50 % acid, by mass	8	C3	III	8	N	2	3		10	95 97		yes			no	PP, EP	0	34	
2850	PROPYLENE TETRAMER	3	F1	III	3+N1+F	C	2	2		35	95	0.76	yes	T3	II B ⁴⁾	no yes	PP PP; EX, A	0		

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2920	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (2- PROPANOL AND DIDECYLDIMETHYL-AMMONIUM CHLORIDE, AQUEOUS SOLUTION)	8	CF1	II	8+3+F	N	3	3			95 97	0.95	3	yes	T3	II A	yes	PP, EP, EX, A	1	34;
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	FC	I	3+8+(N1, N2, N3, CMR, F or S)	C	2	2	*	*	95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, A *	1	27; 29 *see flowchart
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	FC	II	3+8+(N1, N2, N3, CMR, F or S)	C	2	2	*	*	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, A *	1	27; 29 *see flowchart
2924	FLAMMABLE LIQUID, CORROSIVE, N.O.S.	3	FC	III	3+8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EP, EX, A *	0	27; 34 *see flowchart
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	M6	III	9+(N1, N2, CMR, F or S)	*	*	*	*	*	*		*	yes			no	PP *	0	22; 27 * see flowchart

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3175	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S., MOLTEN, having a flash-point up to 60 °C (2- PROPANOL AND DIALKYL-(C ₁₂ to C ₁₈)-DIMETHYLAMMONIUM CHLORIDE)	4.1	F1	II	4.1	N	3	3	4		95	0.86	3	yes	T2	II A II A ⁷⁾	yes	PP, EX, A	1	7; 17
3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash-point above 60 °C, at or above its flash-point (Low QI Pitch)	3	F2	III	3(???)F)	N	3	1	4		95	1,1-1,3	3	yes	T2	II B	yes	PP, EX, A PP, EP, EX, TOX,A	0	7
3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash-point above 60 °C, at or above its flash-point	3	F2	III	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	95		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	0	7; 27 *see flowchart
3257	ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100 °C and below its flash-point (including molten metals, molten salts, etc.)	9	M9	III	9+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	95		*	yes			no	PP *	0	7; 20:+115 °C; 22; 24; 25; 27 *see flowchart

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3257	ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100 °C and below its flash-point (including molten metals, molten salts, etc.)	9	M9	III	9+(N1, N2, N3, CMR, F or S)	*	*	*	*	95		*	yes			no	PP *	0	7; 20:+225 °C; 22; 24; 27 *see flowchart	
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	C1	I	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	C1	II	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.	8	C1	III	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	C3	I	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	C3	II	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
3265	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.	8	C3	III	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	C5	I	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	C5	II	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	8	C5	III	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	C7	I	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	C7	II	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
3267	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.	8	C7	III	8+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes			no	PP, EP *	0	27; 34 *see flowchart	
3271	ETHERS, N.O.S. - vp50 ≤ 110 kPa ETHERS, N.O.S.	3	F1	II	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	1	14, 27; 29 *see flowchart	

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3271	ETHERS, N.O.S.	3	F1	III	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A*	0	14, 27 *see flowchart	
3272	ESTERS, N.O.S. $vp50 \leq 110$ kPa ESTERS, N.O.S.	3	F1	II	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes	T2	II B ⁴⁾	yes	PP, EX, A*	1	14, 27; 29 *see flowchart	
3272	ESTERS, N.O.S.	3	F1	III	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A*	0	14, 27 *see flowchart	
3289	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S. BOILING POINT > 115 °C	6.1	TC3	I	6.1+8+ (N1, N2, N3, CMR, F or S)	C	2	2	*	*	95	2 1	no			no	PP, EP, TOX, A	2	27; 29 *see flowchart	
3295	HYDROCARBONS, LIQUID, N.O.S. CONTAINS ISOPRENE AND PENTADIENE ($vp 50 > 110$ kPa), STABILIZED	3	F1	I	3, unst. (N2, CMR) 3+unst. +N2+CMR	C	2	2	3	50	95	0,678	1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX, A	1	3, 27, 29
3295	HYDROCARBONS, LIQUID, N.O.S.	3	F1	I	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A*	1	14, 27; 29 *see flowchart	
3295	HYDROCARBONS, LIQUID, N.O.S.	3	F1	II	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A*	1	14, 27; 29 *see flowchart	

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3295	HYDROCARBONS, LIQUID, N.O.S.	3	F1	III	3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A *	0	14, 27 *see flowchart	
3295	HYDROCARBONS, LIQUID, N.O.S. (POLYCYCLIC AROMATIC HYDROCARBONS MIXTURE)	3	F1	III	3+CMR+F	N	2	3	3	10	97	1.08	3	yes	T1	II A	yes	PP, EX, A PP, EP, EX, TOX,A	0	14
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE vp50 > 175 kPa	3	F1	I	3+CMR	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE 110 kPa < vp50 ≤ 175 kPa	3	F1	I	3+CMR	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60 °C	3	F1	I	3+CMR	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60 °C	3	F1	I	3+CMR	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	23; 27; 29

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(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE 110 kPa < vp50 ≤ 175 kPa	3	F1	II	3+CMR	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60 °C	3	F1	II	3+CMR	C	1	1			95		1	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa BOILING POINT ≤ 60 °C	3	F1	II	3+CMR	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	23; 27; 29; 38
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa 60 °C < BOILING POINT ≤ 85 °C	3	F1	II	3+CMR	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	23; 27; 29
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE vp50 ≤ 110 kPa 85 °C < BOILING POINT ≤ 115 °C	3	F1	II	3+CMR	C	2	2		50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX,A	1	27; 29

UN No. or substance identification No.	Name and description	Class	Packing group	Dangers	Type of tank vessel	Cargo tank design	Cargo tank type	Cargo tank equipment	Opening pressure of the high-velocity vent valve in kPa	Maximum degree of filling in %	Relative density at 20 °C	Type of sampling device	Pump room below deck permitted	Temperature class	Explosion group	Anti-explosion protection required	Equipment required	Number of cones/blue lights	Additional requirements/Remarks	
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE $vp_{50} \leq 110$ kPa BOILING POINT > 115 °C	3	F1	II	3+CMR	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX, A	1	27; 29
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE $vp_{50} \leq 110$ kPa 60 °C < BOILING POINT ≤ 85 °C	3	F1	III	3+CMR	C	2	2	3	50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX, A	0	23; 27; 29
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE $vp_{50} \leq 110$ kPa 85 °C < BOILING POINT ≤ 115 °C	3	F1	III	3+CMR	C	2	2		50	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX, A	0	27; 29
3295	HYDROCARBONS, LIQUID, N.O.S. WITH MORE THAN 10 % BENZENE $vp_{50} \leq 110$ kPa BOILING POINT > 115 °C	3	F1	III	3+CMR	C	2	2		35	95		2	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A PP, EP, EX, TOX, A	0	27; 29
3446	NITROTOLUENES, SOLID, MOLTEN (p-NITROTOLUENE)	6.1	T2	II	6.1+S 6.1+N2+S	C	2	2	2	25	95	1.16	2	no	T2	II B ⁴⁾	yes	PP, EP, EX, TOX, A	2	7; 17
3451	TOLUIDINES, SOLID, MOLTEN (p-TOLUIDINE)	6.1	T2	II	6.1 6.1+N1	C	2	2	2	25	95	1.05	2	no	T1	II A ⁸⁾	yes	PP, EP, EX, TOX, A	2	7; 17
3455	CRESOLS, SOLID, MOLTEN	6.1	TC2	II	6.1+8 6.1+8+N3	C	2	2	2	25	95	1,03 - 1,05	2	no	T1	II A ⁸⁾	yes	PP, EP, EX, TOX, A	2	7; 17

UN No. or substance identification No.	Name and description	Class	Classification code	Packing group	Dangers	Type of tank vessel	Cargo tank design	Cargo tank type	Cargo tank equipment	Opening pressure of the high-velocity vent valve in kPa	Maximum degree of filling in %	Relative density at 20 °C	Type of sampling device	Pump room below deck permitted	Temperature class	Explosion group	Anti-explosion protection required	Equipment required	Number of cones/blue lights	Additional requirements/Remarks
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
9001	SUBSTANCES WITH A FLASH-POINT ABOVE 60 °C handed over for carriage or carried at a TEMPERATURE WITHIN A RANGE OF 15K BELOW THE IR FLASH-POINT OF SUBSTANCES WITH A FLASH-POINT > 60 °C, HEATED TO LESS THAN 15 K FROM THE FLASH-POINT	3	F 3		3+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes	T4 ³⁾	II B ⁴⁾	yes	PP, EX, A*	0	27 *see flowchart
9002	SUBSTANCES HAVING A SELF-IGNITION TEMPERATURE ≤ 200 °C and not otherwise mentioned	3	F4		3+(N1, N2, N3, CMR, F or S)	C	1	1	*	*	95		1	yes	T4	II B ⁴⁾	yes	PP, EX, A*	0	*see flowchart
9003	SUBSTANCES WITH A FLASH-POINT ABOVE 60 °C BUT NOT MORE THAN 100 °C or SUBSTANCES WHERE 60° C < flash-point ≤ 100° C, which are not affected to another class	9			9+(N1, N2, N3, CMR, F or S)	*	*	*	*	*	*		*	yes			no	PP*	0	27 *see flowchart
9005	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, MOLTEN	9			9+(N3, CMR, F or S)	*	*	*	*	*	97		*	yes			no	PP*	0	*see flowchart

Additional requirements/Remarks	(20)	*see flowchart
Number of cones/blue lights	(19)	0
Equipment required	(18)	PP*
Anti-explosion protection required	(17)	no
Explosion group	(16)	
Temperature class	(15)	
Pump room below deck permitted	(14)	yes
Type of sampling device	(13)	*
Relative density at 20 °C	(12)	
Maximum degree of filling in %	(11)	97
Opening pressure of the high-velocity vent valve in kPa	(10)	*
Cargo tank equipment	(9)	*
Cargo tank type	(8)	*
Cargo tank design	(7)	*
Type of tank vessel	(6)	*
Dangers	(5)	9+(N3, CMR, F or S
Packing group	(4)	
Classification code	(3b)	
Class	(3a)	9
Name and description	(2)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
UN No. or substance identification No.	(1)	9006

