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**Economic and Social Council**Distr.: General  
24 January 2024

Original: English

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**Economic Commission for Europe****Inland Transport Committee****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)****Forty-third session**

Geneva, 22-26 January 2024

Item 5 (b) of the provisional agenda

**Proposals for amendments to the Regulations annexed to ADN: other proposals****Amended proposal for an amendment of the provisions related to sampling for substances with carcinogenic, mutagenic or toxic to reproduction (CMR) properties****Transmitted by the Government of Belgium**

Note: only amended paragraphs in document ECE/TRANS/WP.15/AC.2/2024/16 are mentioned below. Amendments are marked in yellow.

**Introduction****Problem description****Proposal for amendment**

11. The Belgian delegation proposes to amend in **subsections 3.2.3.3 and 3.2.4.3 the criteria for** column (13) of Table C of Chapter 3.2 as follows (new text in bold and underlined, deleted text in strikethrough):

Column (13): Determination of type of sampling device

1 = closed: – Substances to be transported in pressure cargo tanks **and in membrane tanks**– Substances with ~~T in column (3b)~~ [danger] **6.1 in column (5)** and assigned to packing group I

– Stabilized substances to be transported under inert gas

2 = partly closed: – All other substances for which type C **or substances with CMR properties for which type N with closed cargo tanks** is required

– **Substances with [danger] CMR in column (5) and for which no closed sampling is required**

3 = open: – All other substances

12. The Belgian delegation proposes to amend section 3.3.4, under “E. Column (13): Determination of type of sampling device” as follows (new text in bold and underlined, deleted text in strikethrough):

1 = closed: ~~Substances to be transported in pressure cargo tanks.~~  
~~Substances with T in column (3b) [danger] 6.1 in column (5) and assigned to packing group I~~

~~Stabilized substances to be transported under inert gas.~~

2 = partly closed: ~~All other substances for which type C is required.~~

~~Substances with [danger] CMR in column (5) and for which no closed sampling is required.~~

3 = open: ~~All other substances.~~

*Note: Should a transitional provision be considered in view of the replacement of the sampling device?*

3.2.3.3 and consequential change to Table C	Partly closed sampling device	N.R.M. Renewal of the certificate of approval after 31 December 2024
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### Affected entries for amendment in Table C

13. The entries below in Table C are affected for which in Chapter 3.2, Table C,

- Column (5): danger “CMR”,
- Column (6): type of tank vessel “N”,
- Column (7): cargo tank type “2”, closed cargo tanks,

is indicated, **as follows:**

(a) Single entries:

UN Nos. 1171 / 1172 / 1188 / ~~1274 / 1276~~ / 1218 / 2675

(b) Generic entries, not N.O.S. entries: (\*)

UN Nos. 1202 (2 entries) / 1203 / (1223) / 1267 / ~~1288~~ / 1863

(c) Specific N.O.S. entries and general N.O.S. entries: (\*)

UN Nos. 1224 / 1267 / 1268 / 1719 / 1760 / 1987 / 1989 / 1993 / 2735 / 2924 / 3272 / 3295 / 9001 / 9003 / 9005 / 9006

Remark: (\*) Entries for which the flow chart of 3.2.3.3 is applicable

### Justification

### Action to be taken

## Annex

Remarks:

In Table below:

- The blue marked entries. Depending on the outcome of ECE/TRANS/WP.15/AC.2/2024/18 - (FuelsEurope) - The reclassification of UN No. 1918, ISOPROPYLBENZENE (cumene) and substances containing cumene at or above 0.1 per cent
- For UN 3256 ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash point above 60 °C, at or above its flash point (Low QI Pitch): A Type 'N3' ship is not in line with the requirements following from box 2 of the flow chart of 3.2.3.3 (should be type 'N2' ship); see yellow marking.

Table C:

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 pressure relief valve/high	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)
	3.1.2	2.2	2.2	2.1.1.3	5.2.2 / 3.2.3.1	1.2.1 / 7.2.2.0.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	7.2.4.21	3.2.3.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	1.2.1	1.2.1 / 3.2.3.3	1.2.1 / 3.2.3.3	8.1.5	7.2.5	3.2.3.1
1171	ETHYLENE GLYCOL MONOETHYL ETHER	3	F1	III	3+CMR	N	2	3	3	10	97	0.93	3 2	yes	T3	II B (II B2)	yes	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 2	yes	T2 <sup>12)</sup>	II A	yes	PP, EP, EX, TOX, A	0	
1188	ETHYLENE GLYCOL MONOMETHYL ETHER	3	F1	III	3+CMR	N	2	3	3	10	97	0.97	3 2	yes	T3	II B (II B2)	yes	PP, EP, EX, TOX, A	0	

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 pressure relief valve/high	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)
	3.1.2	2.2	2.2	2.1.1.3	5.2.2 / 3.2.3.1	1.2.1 / 7.2.2.0.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	7.2.4.2.1	3.2.3.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	1.2.1	1.2.1 / 3.2.3.3	1.2.1 / 3.2.3.3	8.1.5	7.2.5	3.2.3.1
1203	MOTOR SPIRIT or GASOLINE or PETROL	3	F1	II	3+N2+C MR+F	N	2	3	3	10	97	0,68 - 0,72 <sup>10)</sup>	3 2	yes	T3	II A	yes	PP, EP, EX, TOX, A	1	
1223	KEROSENE	3	F1	III	3+N2+F	N	3	3			97	≤ 0,83	3	yes	T3	II A <sup>7)</sup>	yes	PP, EX, A	0	14
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (NAPHTA) 110 kPa < vp50 ≤ 175 kPa	3	F1	II	3+N2+ CMR+F	N	2	3		50	97	0,735	3 2	yes	T3	II A	yes	PP, EP, EX, TOX, A	1	14
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (NAPHTA) 110 kPa < vp50 ≤ 150 kPa	3	F1	II	3+N2+ CMR+F	N	2	3	3	10	97	0,735	3 2	yes	T3	II A	yes	PP, EP, EX, TOX, A	1	14
1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S. (NAPHTA) vp50 ≤ 110 kPa	3	F1	II	3+N2+ CMR+F	N	2	3		10	97	0,735	3 2	yes	T3	II A	yes	PP, EP, EX, TOX, A	1	14
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 2	yes	T3	II A	yes	PP, EP, EX, TOX, A	1	14

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 pressure relief valve/high	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)
	3.1.2	2.2	2.2	2.1.1.3	5.2.2 / 3.2.3.1	1.2.1 / 7.2.2.0.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	7.2.4.21	3.2.3.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	1.2.1	1.2.1 / 3.2.3.3	1.2.1 / 3.2.3.3	8.1.5	7.2.5	3.2.3.1
1274	n-PROPANOL (propyl alcohol, normal)	2	F1	II	3	N	2	2		10	97	0.8	3	yes	T2 <sup>12)</sup>	II B (H B1)	yes	PP, EX, A	1	
1274	n-PROPANOL (propyl alcohol, normal)	2	F1	III	3	N	2	2			97	0.8	3	yes	T2 <sup>12)</sup>	II B (H B1)	yes	PP, EX, A	0	
1276	n-PROPYL ACETATE	3	F1	II	3+N3	N	2	2		10	97	0.88	3	yes	T1 <sup>12)</sup>	II A	yes	PP, EX, A	1	
1288	SHALE OIL	3	F1	II	3+N3+C MR	N	2	3	3	45	97	0.92	3	yes	T3	II B <sup>9)</sup>	yes	PP, EP, EX, TOX, A	1	14; 23
1288	SHALE OIL	3	F1	III	3+N3+C MR	N	2	3	3	45	97	0.92	3	yes	T3	II B <sup>9)</sup>	yes	PP, EP, EX, TOX, A	0	14; 23
1918	ISOPROPYLBENZENE (cumene)	3	F1	III	3+N2	N	3	3			97	0.86	3	yes	T2 <sup>12)</sup>	II A <sup>8)</sup>	yes	PP, EX, A	0	
2265	N,N-DIMETHYLFORMAMIDE	3	F1	III	3+CMR	N	2	3	3	10	97	0.95	3 2	yes	T2 <sup>12)</sup>	II A	yes	PP, EP, EX, TOX, A	0	
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BILGE WATER, CONTAINS SLUDGE)	9	M6	III	9+CMR+ N1	N	2	3		10	97		3 2	yes			no	PP, EP TOX, A	0	45

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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)
	3.1.2	2.2	2.2	2.1.1.3	5.2.2 / 3.2.3.1	1.2.1 / 7.2.2.0.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	7.2.4.2.1	3.2.3.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	1.2.1	1.2.1 / 3.2.3.3	1.2.1 / 3.2.3.3	8.1.5	7.2.5	3.2.3.1
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (OIL SLUDGE)	9	M6	III	9+CMR+ N1	N	2	3		10	97		3 2	yes			No	PP, EP, TOX, A	0	45
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE; LIQUID, N.O.S. (HEAVY HEATING OIL)	9	M6	III	9+CMR (N1, N2, F or S)	N	2	3		10	97		3 2	yes			no	PP	0	
3256	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. with flash point above 60 °C, at or above its flash point (Low Q1 Pitch)	3	F1	III	3+N2+ CMR+S	N	2	3		10	95	1,1-1,3	3	yes	T2-3 <sup>4)</sup>	II B (II B2)	yes	PP, EP, EX, TOX, A	0	7; 17
3295	HYDROCARBONS, LIQUID, N.O.S. (1-OCTEN)	3	F1	II	3+N2+F	N	2	3		10	97	0,71	3 2	yes	T3	II B <sup>4)</sup>	yes	PP, EX, A	1	14
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 2	yes	T1 <sup>12)</sup>	II A	yes	PP, EP, EX, TOX, A	0	14
3475	ETHANOL AND GASOLINE MIXTURE or ETHANOL AND MOTOR SPIRIT MIXTURE or ETHANOL AND PETROL MIXTURE, with more than 10% but not more than 90% ethanol	3	F1	II	3+N2+ CMR+F	N	2	3	3	10	97	0.69 – 0.78 <sup>10)</sup>	3 2	yes	T3	II A	yes	PP, EP, EX, TOX, A	1	

INF.34

**Commented [DD1]:** volgens 3.2.3.3 zou dit moeten een 2 zijn wanneer het CMR wordt

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 pressure relief valve/high	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
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	3.1.2	2.2	2.2	2.1.1.3	5.2.2 / 3.2.3.1	1.2.1 / 7.2.2.0.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	7.2.4.2.1	3.2.3.1	3.2.3.1 / 1.2.1	3.2.3.1 / 1.2.1	1.2.1	1.2.1 / 3.2.3.3	1.2.1 / 3.2.3.3	8.1.5	7.2.5	3.2.3.1
3475	ETHANOL AND GASOLINE MIXTURE or ETHANOL AND MOTOR SPIRIT MIXTURE or ETHANOL AND PETROL MIXTURE, with more than 90% ethanol	3	F1	II	3+N2+CMR+F	N	2	3	3	10	97	0.78 – 0.79 <sup>10)</sup>	3 2	yes	T2 <sup>12)</sup>	II B (II B1)	yes	PP, EP, EX, TOX, A	1	