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|  |  | INF.34 | |
|  | **Economic and Social Council** | | Distr.: General  24 January 2024  Original: English |

**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 |

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 - (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 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) |
|  | **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 12) | 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 |  |
| 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~~  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 A7) | 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 |
| ~~1274~~ | ~~n-PROPANOL  (propyl alcohol, normal)~~ | ~~3~~ | ~~F1~~ | ~~II~~ | ~~3~~ | ~~N~~ | ~~2~~ | ~~2~~ |  | ~~10~~ | ~~97~~ | ~~0.8~~ | ~~3~~  ~~2~~ | ~~yes~~ | ~~T2~~ ~~12)~~ | ~~II B  (II B1)~~ | ~~yes~~ | ~~PP, EX, A~~ | ~~1~~ |  |
| ~~1274~~ | ~~n-PROPANOL  (propyl alcohol, normal)~~ | ~~3~~ | ~~F1~~ | ~~III~~ | ~~3~~ | ~~N~~ | ~~3~~ | ~~2~~ |  |  | ~~97~~ | ~~0.8~~ | ~~3~~  ~~2~~ | ~~yes~~ | ~~T2~~ ~~12)~~ | ~~II B  (II B1)~~ | ~~yes~~ | ~~PP, EX, A~~ | ~~0~~ |  |
| ~~1276~~ | ~~n-PROPYL ACETATE~~ | ~~3~~ | ~~F1~~ | ~~II~~ | ~~3+N3~~ | ~~N~~ | ~~2~~ | ~~2~~ |  | ~~10~~ | ~~97~~ | ~~0.88~~ | ~~3~~  ~~2~~ | ~~yes~~ | ~~T1~~ ~~12)~~ | ~~II A~~ | ~~yes~~ | ~~PP, EX, A~~ | ~~1~~ |  |
| **1288** | **SHALE OIL** | **3** | **F1** | **II** | **3+N3+CMR** | **N** | **2** | **3** | **3** | **45** | **97** | **0.92** | ~~3~~  2 | **yes** | **T3** | **II B4)** | **yes** | **PP, EP, EX, TOX, A** | **1** | **14; 23** |
| **1288** | **SHALE OIL** | **3** | **F1** | **III** | **3+N3+CMR** | **N** | **2** | **3** | **3** | **45** | **97** | **0.92** | ~~3~~  2 | **yes** | **T3** | **II B4)** | **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 12) | II A8) | 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 12) | 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 |
| 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 QI Pitch)~~ | ~~3~~ | ~~F2~~ | ~~III~~ | ~~3+N2+ CMR+S~~ | ~~N~~ | ~~3~~ | ~~1~~ | ~~4~~ |  | ~~95~~ | ~~1,1-1,3~~ | ~~3~~ | ~~yes~~ | ~~T2~~ ~~12)~~ | ~~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 B4) | yes | PP, EX, A | 1 | 14 |
| 3295 | HYDROCARBONS, LIQUID, N.O.S. (POLYCYCLIC AROMATIC HYDOCARBONS MIXTURE) | 3 | F1 | III | 3+CMR+F | N | 2 | 3 | 3 | 10 | 97 | 1,08 | ~~3~~  2 | yes | T1 12) | 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 10) | ~~3~~  2 | yes | T3 | II A | yes | PP, EP, EX, TOX, A | 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 10) | ~~3~~  2 | yes | T2 12) | II B  (II B1) | yes | PP, EP, EX, TOX, A | 1 |  |