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|  | United Nations | ECE/TRANS/WP.15/AC.2/2024/41 |
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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-fourth session**

Geneva, 26-30 August 2024

Item 4 (b) of the provisional agenda

**Proposals for amendments to the Regulations annexed to ADN:**

**other proposals**

 The reclassification of UN No.1918, ISOPROPYLBENZENE (Cumene) and substances containing Cumene at or above 0.1%

 Transmitted by FuelsEurope[[1]](#footnote-2)\*,[[2]](#footnote-3)\*\*

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| **Related documents:** Informal documentINF.17 of the forty-first session [ECE/TRANS/WP.15/AC.2/84](https://unece.org/sites/default/files/2023-08/ECE-TRANS_WP.15-AC.2-84e.pdf) – Report of the forty-first session  (paras. 45-46)  [ECE/TRANS/WP.15/AC.2/2023/45](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Funece.org%2Fsites%2Fdefault%2Ffiles%2F2024-01%2FECE_TRANS_WP.15_AC.2_2023_45e..docx&wdOrigin=BROWSELINK) – FuelsEurope’s initial proposals [ECE/TRANS/WP.15/AC.2/2024/18](https://unece.org/sites/default/files/2023-12/ECE-TRANS-WP.15-AC.2-2024-18e.pdf) – FuelsEurope’s amended proposals [ECE/TRANS/WP.15/AC.2/88](https://unece.org/sites/default/files/2024-02/ECE%20TRANS%20WP.15%20AC.2%2088e.pdf) – Report of the forty-third session  (para. 58) and Annex IV [ECE/TRANS/WP.15/C.2/2024/8](https://unece.org/sites/default/files/2023-11/ECE-TRANS-WP.15-AC.2-2024-8e.pdf) – Report of the thirteenth meeting of the informal working group “Substances” – Item “K” |
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 I. Executive Summary

1. As reflected in the report of the forty-third session ([ECE/TRANS/WP.15/AC.2/88](https://unece.org/sites/default/files/2024-02/ECE%20TRANS%20WP.15%20AC.2%2088e.pdf)) paragraph 58, the ADN Safety Committee adopted option 1 of our proposed amendments for UN No. 1307 and UN No. 1223, as proposed in [ECE/TRANS/WP.15/AC.2/2024/18](https://unece.org/sites/default/files/2023-12/ECE-TRANS-WP.15-AC.2-2024-18e.pdf).

2. Unfortunately, our proposals in this working document did not contain the formal proposed amendments for UN No. 1918 ISOPROPYLBENZENE (Cumene).

3. This document contains our proposal to amend the entry for UN No. 1918 ISOPROPYLBENZENE (Cumene) in Table C, which follows the advice of the informal working group on Substances as captured under item K in their report [ECE/TRANS/WP.15/C.2/2024/8](https://unece.org/sites/default/files/2023-11/ECE-TRANS-WP.15-AC.2-2024-8e.pdf).

4. As it appears that the value for Column (10) — "Opening pressure of the pressure relief valve / high velocity vent valve in kPa" did not show in our first proposals, and since the cargo tank design is of type "2", the value "10" has been inserted in Column (10).

5. After careful study of the proposals covering UN No. 1307 and UN No. 1223 as reflected in our document [ECE/TRANS/WP.15/AC.2/2024/18](https://unece.org/sites/default/files/2023-12/ECE-TRANS-WP.15-AC.2-2024-18e.pdf), we found similar omissions in Column (10). It should be noted that option 2 in that document did reflect a value of 10 kPa in Column (10).

 II. Proposals for ADN 2027

6. FuelsEurope therefore proposes the following amendments to Table C for UN No. 1918 ISOPROPYYLBENZENE (Cumene), as follows (new text in bold and underlined; deleted text in strikethrough).

7. FuelsEurope also proposes to correct the already adopted entries as reflected in Annex IV of [ECE/TRANS/WP.15/AC.2/88](https://unece.org/sites/default/files/2024-02/ECE%20TRANS%20WP.15%20AC.2%2088e.pdf), by inserting the value "10" in Column (10) for UN No. 1223 Kerosene (containing 0.1% of Cumene or more) as well as the three UN No. 1307 XYLENES entries containing 0.1% Cumene or more).

8. Amended entry for UN No. 1918 ISOPROPYLBENZENE (Cumene) in 3.2.3.2 Table C:

| UN No. or substanceidentification 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 thepressure 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 deckpermitted | Temperature class | Explosion group | Anti-explosion protectionrequired | 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** |
| 1918 | ISOPROPYLBENZENE (cumene) | 3 | F1 | III | 3+N2**+****CMR** | N | ~~3~~ **2** | 3 |  | **10** | 97 | 0,86 | ~~3~~**2** | Yes | T2 12 | IIA 8 | Yes | PP, **EP**, EX, **TOX**, A | 0 |  |

9. Proposed amendments to the Regulations annexed to ADN for entry into force on 1 January 2027:

 Chapter 3.2, Table C

Add the value "10"to Column (10):

| (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** |
| 1223 | KEROSENE (containing 0.1 % of cumene or more) | 3 | F1 | III | 3+N2+CMR+F | N | 2 | 3 |  | **10** | 97 | ≤ 0,83 | 2 | Yes | T3 | IIA 7) | Yes | PP, EP, EX, TOX, A | 0 | 14 |

10. Add the value “10” to Column (10) :

| (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** |
| 1307 | XYLENES (mixture containing 0.1 % of cumene or more, with melting point ≤ 0° C) | 3 | F1 | II | 3+N2+CMR | N | 2 | 3 |  | **10** | 97 |  | 2 | Yes | T1 12 | IIA | Yes | PP, EP, EX, TOX, A | 1 |  |
| 1307 | XYLENES (mixture containing 0.1 % of cumene or more, with melting point ≤ 0° C) | 3 | F1 | III | 3+N2+CMR | N | 2 | 3 |  | **10** | 97 |  | 2 | Yes | T1 12 | IIA | Yes | PP, EP, EX, TOX, A | 0 |  |
| 1307 | XYLENES (mixture containing 0.1 % of cumene or more, with 0° C < melting point ≤ 13° C) | 3 | F1 | III | 3+N2+CMR | N | 2 | 3 | 2 | **10** | 97 |  | 2 | Yes | T1 12 | IIA | Yes | PP, EP, EX, TOX, A | 0 | 6: +17 ºC; 17 |

 III. Remarks

11. The proposals under paragraphs 8, 9 and 10 above are limited to Table C of ADN only; as far as could be established, the added CMR properties does not trigger changes to the relevant entries in Table A of ADN. Similarly, no changes to these relevant entries will be required in ADR or RID.

 IV. Interlinkage to Sustainable Development Goals

12. New insights in the (additional) dangers of substances and considering its consequences on the ongoing safe handling, storage and transport of those hazardous materials can be linked to Sustainable Development Goal 3: *Good health and well-being – Reducing health risks of hazardous materials*.

13. As this links to sustainable transport, also Sustainable Development Goal 11 can be considered.

 V. Action to be taken

14. FuelsEurope requests the ADN Safety Committee to consider the proposal as tabled for amended entries in Table C, for entry into force on 1 January 2027 (ADN 2027).

1. \* Distributed in German by the Central Commission for the Navigation of the Rhine under the symbol CCNR-ZKR/ADN/WP.15/AC.2/2024/41 [↑](#footnote-ref-2)
2. \*\* A/78/6 (Sect. 20), table 20.5 [↑](#footnote-ref-3)