



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***

Related documents:

Informal document INF.17 of the forty-first session
ECE/TRANS/WP.15/AC.2/84 – Report of the forty-first session (paras. 45-46)
ECE/TRANS/WP.15/AC.2/2023/45 – FuelsEurope’s initial proposals
ECE/TRANS/WP.15/AC.2/2024/18 – FuelsEurope’s amended proposals
ECE/TRANS/WP.15/AC.2/88 – Report of the forty-third session (para. 58) and Annex IV
ECE/TRANS/WP.15/C.2/2024/8 – Report of the thirteenth meeting of the informal working group “Substances” – Item “K”

I. Executive Summary

1. As reflected in the report of the forty-third session (ECE/TRANS/WP.15/AC.2/88) 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.

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** A/78/6 (Sect. 20), table 20.5



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.
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, 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 ISOPROPYLBENZENE (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, 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 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
1918	ISOPROPYLBENZENE (cumene)	3	F1	III	3+N2+ <u>CMR</u>	N	3 2	3		<u>10</u>	97	0,86	32	Yes	T2 ¹²	IIA ⁸	Yes	PP, <u>EP</u> , EX, <u>TOX</u> , 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		<u>10</u>	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 $\leq 0^\circ \text{C}$)	3	F1	II	3+N2+ CMR	N	2	3		<u>10</u>	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 $\leq 0^\circ \text{C}$)	3	F1	III	3+N2+ CMR	N	2	3		<u>10</u>	97		2	Yes	T1 ¹²	IIA	Yes	PP, EP, EX, TOX, A	0	
1307	XYLENES (mixture containing 0.1 % of cumene or more, with $0^\circ \text{C} <$ melting point $\leq 13^\circ \text{C}$)	3	F1	III	3+N2+ CMR	N	2	3	2	<u>10</u>	97		2	Yes	T1 ¹²	IIA	Yes	PP, EP, EX, TOX, A	0	6: +17 °C; 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).
