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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)**

**Thirty-seventh session**

Geneva, 25–29 January 2021

Item 5 (b) of the provisional agenda

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

 Tables A and C of ADN – entries for UN No. 1010 BUTADIENES

 Transmitted by the Government of Germany[[1]](#footnote-1)\*, [[2]](#footnote-2)\*\*

 Introduction

1. With effect from 1 January 2021, the following changes have been made to the entries for UN No. 1010 BUTADIENES in Tables A, B and C (see document ECE/ADN/54):

 Chapter 3.2, Table A

2. For UN No. 1010, amend the name and description in column (2) to read: “BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, containing more than 40% butadienes”.

3. This results in the following modified entry:

|  |  |
| --- | --- |
| 1010 | BUTADIENES 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~~ containing more than 40% butadienes. |

 Chapter 3.2, Table B

4. Amend as follows:

| **Name and description** | **UN No.** | **Amendment** |
| --- | --- | --- |
| “BUTADIENES, 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. | 1010 | Amend the name and description in the “Name and description” column to read:BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, containing more than 40% butadienes. |

 Chapter 3.2, Table C

 3.2.3.2

5. For UN No. 1010, 1,2-BUTADIENE, STABILIZED, amend column (2) to read: “BUTADIENES (1,2-BUTADIENE), STABILIZED”.

6. For UN No. 1010, 1,3-BUTADIENE, STABILIZED, amend column (2) to read: “BUTADIENES (1,3-BUTADIENE), STABILIZED”.

7. Insert the following new entries:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| (1) | (2) | (3a) | (3b) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) |
| 1010 | 1,2-BUTADIENE, STABILIZED, REFRIGERATED | 2 | 3F |  | 2.1+unst. | G | 2 | 4 | l; 3 |  | 95 |  | 1 | no | T2 12) | II B4) | yes | PP, EX, A | 1 | 2; 3; 31 |
| 1010 | 1,3-BUTADIENE, STABILIZED, REFRIGERATED | 2 | 3F |  | 2.1 +unst.+ CMR | G | 2 | 4 | l; 3 |  | 95 |  | 1 | no | T2 12) | II B4) (II B24) | yes | PP, EP, EX, TOX, A | 1 | 2; 3; 31 |
| 1010 | BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, REFRIGERATED, 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 (contains less than 0.1% 1,3-butadiene). | 2 | 3F |  | 2.1+unst. | G | 2 | 4 | l; 3 |  | 95 |  | 1 | no | T2 12) | II B4) (II B24) | yes | PP, EX, A | 1 | 2; 3; 31 |
| 1010 | BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, REFRIGERATED, 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 (contains 0.1% or more 1,3-butadiene). | 2 | 3F |  | 2.1 +unst.+ CMR | G | 2 | 4 | 1; 3 |  | 95 |  | 1 | no | T2 12) | II B4) (II B24) | yes | PP, EP, EX, TOX, A | 1 | 2; 3; 31 |

8. This results in the following entries for UN No. 1010 for ADN 2021:

| (1) | (2) | (3a) | (3b) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1010 | BUTADIENES (1,2-BUTADIENE), STABILIZED [Existing entry] | 2 | 2F |  | 2.1+unst. | G | 1 | 1 |  |  | 91 |  | 1 | no | T2 12) | II B4) | yes | PP, EX, A | 1 | 2; 3; 31 |
| 1010 | 1,2-BUTADIENE, STABILIZED, REFRIGERATED[New entry] | 2 | 3F |  | 2.1+unst. | G | 2 | 4 | 1; 3 |  | 95 |  | 1 | no | T2 12) | II B4) | yes | PP, EX, A | 1 | 2; 3; 31 |
| 1010 | BUTADIENES (1,3-BUTADIENE), STABILIZED [Existing entry] | 2 | 2F |  | 2.1+unst.+CMR | G | 1 | 1 |  |  | 91 |  | 1 | no | T2 12) | II B(II B24) | yes | PP, EP, EX, TOX, A | 1 | 2; 3; 31 |
| 1010 | 1,3-BUTADIENE, STABILIZED, REFRIGERATED[New entry] | 2 | 3F |  | 2.1+unst.+CMR | G | 2 | 4 | 1; 3 |  | 95 |  | 1 | no | T2 12) | II B(II B24) | yes | PP, EP, EX, TOX, A | 1 | 2; 3; 31 |
| 1010 | BUTADIENES, 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 (contains less than 0.1% 1,3-butadiene).[Existing entry] | 2 | 2F |  | 2.1+unst. | G | 1 | 1 | 1; 3  |  | 91 |  | 1 | no | T2 12) | II B4)(II B24) | yes | PP, EX, A | 1 | 2; 3; 31 |
| 1010 | BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, REFRIGERATED,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 (contains less than 0.1% 1,3-butadiene).[New entry] | 2 | 3F |  | 2.1+unst. | G | 2 | 4 | 1; 3 |  | 95 |  | 1 | no | T2 12) | II B4)(II B24) | yes | PP, EX, A | 1 | 2; 3; 31 |
| 1010 | BUTADIENES, 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 (contains 0.1% or more 1,3-butadiene).[Existing entry] | 2 | 2F |  | 2.1+unst.+CMR | G | 1 | 1 | 1; 3  |  | 91 |  | 1 | no | T2 12) | II B4)(II B24) | yes | PP, EP, EX, TOX, A | 1 | 2; 3; 31 |
| 1010 | BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, REFRIGERATED, 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 (contains 0.1% or more 1,3-butadiene).[New entry] | 2 | 3F |  | 2.1+unst.+CMR | G | 2 | 4 | 1; 3 |  | 95 |  | 1 | no | T2 12) | II B4)(II B24) | yes | PP, EP, EX, TOX, A | 1 | 2; 3; 31 |

 Request

9. Germany proposes that the entries in Table C be amended as follows:

|  |  |  |
| --- | --- | --- |
| 1010 | BUTADIENES (1,2-BUTADIENE), STABILIZED | No change |
| 1010 | BUTADIENES (1,3-BUTADIENE), STABILIZED | No change |
| 1010 | ~~1,2-BUTADIENE,~~ BUTADIENES (1,2-BUTADIENE), STABILIZED, REFRIGERATED | No change in the other columns |
| 1010 | ~~1,3-BUTADIENE,~~ BUTADIENES (1,3-BUTADIENE), STABILIZED, REFRIGERATED | No change in the other columns |
| 1010 | BUTADIENES, 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~~ containing more than 40% butadienes (contains less than 0.1% 1,3-butadiene). | No change in the other columns |
| 1010 | BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, REFRIGERATED, ~~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~~ containing more than 40% butadienes (contains less than 0.1% 1,3-butadiene). | No change in the other columns |
| 1010 | BUTADIENES, 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~~ containing more than 40% butadienes (contains 0.1% or more 1,3-butadiene). | No change in the other columns |
| 1010 | BUTADIENES, STABILIZED or BUTADIENES AND HYDROCARBON MIXTURE, STABILIZED, REFRIGERATED, ~~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~~ containing more than 40% butadienes (contains 0.1% or more 1,3-butadiene). | No change in the other columns |

 Justification

10. For the new entries/lines for the pure 1,2-BUTADIENES and the 1,3-BUTADIENES added to Table C for 2021, the amendment to the name (column 2) also appears in the existing entries/lines present in ADN 2019.

11. The names of the mixtures (column 2) reflect the changes made previously in Tables A and B.

 Safety

12. Safety will be improved as there will no longer be any ambiguity regarding the appropriate entry for transport by tank-vessel.

 Implementation

13. The request involves no change in terms of shipbuilding or the organization of transport. Consignors may need to make certain modifications to the software used to prepare the transport documents. This constraint is considered acceptable.

1. \* Distributed in German by the Central Commission for the Navigation of the Rhine under the symbol CCNR-ZKR/ADN/WP.15/AC.2/2021/8. [↑](#footnote-ref-1)
2. \*\* In accordance with the programme of work of the Inland Transport Committee for 2020 as outlined in the proposed programme budget for 2020 (A/74/6 (part V, sect. 20), para. 20.37). [↑](#footnote-ref-2)