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**Economic Commission for Europe****Inland Transport Committee****Working Party on the Transport of Dangerous Goods****Joint Meeting of the RID Committee of Experts and the  
Working Party on the Transport of Dangerous Goods**

Bern, 15-19 March 2021

Item 5 (a) of the provisional agenda

**Proposals for amendments to RID/ADR/ADN  
pending issues****Name and description for UN numbers in Model Regulations  
and RID/ADR: UN 1012 Butylene****Transmitted by the Government of Spain<sup>\*</sup>, <sup>\*\*</sup>, <sup>\*\*\*</sup>***Summary*

<b>Executive summary:</b>	Eliminate the differences in the name and description for UN 1012 Butylene in between Model Regulations and RID/ADR.
<b>Action to be taken:</b>	Harmonise with the name and description of the Model Regulations for this UN number.

**Introduction**

1. There are different cases where the name and description of the UN numbers is not the same in the Model Regulations and in RID/ADR. In September 2019 Spain presented ECE/TRANS/WP.15/AC.1/2019/32 as a discussion document, in which the differences for different UN numbers were shown and analysed.
2. Different delegations gave their comments on the background of the existing differences, and Spain was asked to develop the proposals to ensure harmonization and bring them to the Joint Meeting or to the Subcommittee, as appropriate for each case.

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<sup>\*</sup> A/75/6 (Sect.20), para 20.51.

<sup>\*\*</sup> Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2021/14.

<sup>\*\*\*</sup> This document was scheduled for publication after the standard publication date owing to circumstances beyond the submitter's control.

3. Having the same name and description for one UN number in all the modes by harmonizing with the Model Regulations and other transport modes, would enable a more rational approach and ease administrative burdens during transport.

## Background

4. Following the discussion of ECE/TRANS/WP.15/AC.1/2019/32 at the Joint Meeting, Spain was invited to submit to the Sub-Committee a proposal for an amendment related to UN 1012, BUTYLENE.

5. Name and description of UN 1012 in the Model Regulations and RID/ADR are the following:

UN Number	UN Model Regulations	RID/ADR
1012	BUTYLENE	BUTYLENES MIXTURE or 1-BUTYLENE or cis-2-BUTYLENE or trans-2- BUTYLENE

6. Spain submitted documents ST/SG/AC.10/C.3/2020/16 and ST/SG/AC.10/C.3/2020/69 for consideration to the fifty-seventh session of the Sub-Committee. The Subcommittee, after the discussion of the documents, adopted by majority the proposed amendments:

- New SP 398 for UN 1012 in the Dangerous Goods List of Chapter 3.2, and inclusion into Chapter 3.3 of SP 398:  
**“SP 398: This entry applies to mixtures of butylenes, 1-butylene, cis-2-butylene and trans-2-butylene. For isobutylene, see UN 1055.”**
- Modification of the Alphabetical Index of Substances and Articles of Chapter 3 to include the isomers of alkenes related to “butylene” and UN 1012 (the isobutylene associated to UN 1055 is already included in that list).
  - 1-butylene: Class 2.1. See UN 1012.
  - cis-2-butylene: Class 2.1. See UN 1012.
  - trans-2-butylene: Class 2.1. See UN 1012.

## Analysis

7. These amendments adopted in the Subcommittee intend to lead the reader to the correct entry, allowing to not mix up the entry for UN 1012 BUTYLENES with the entry for UN1055 ISOBUTYLENES, without the need to use the longer name for UN 1012 as now included into RID/ADR. The inclusion of the longer name as in RID/ADR into the Model Regulations was discussed, but not supported by the Subcommittee.

8. The present solution solves the problem of not being able to reach the correct entry for each specific kind of butylene in the Model Regulations, but does not solve the issue of harmonization with RID/ADR. Therefore, Spain volunteered to submit a proposal to the Joint Meeting to include the same entry and special provision also for RID/ADR.

## Proposals

9. Spain suggests modifying name and description of UN 1012 to harmonize with the one used in the Model Regulations, introducing the special provision adopted by the Subcommittee and additionally including the references to the new name of UN 1012 into Table B of Chapter 3. This would allow to maintain the clear distinction that now is achieved in RID/ADR by the names of UN 1012 and 1055, but using instead the special provision, and additionally having the same name and description as in the Model Regulations. As mentioned before, having the same name and description of all UN numbers in all modal

regulations only eases the application of the regulations and avoids errors that may lead to safety problems.

10. The necessary amendments would include:

- In tables A and B amend UN 1012 to read (Deleted text appears as ~~stricken through~~).

UN 1012 ~~BUTYLENES MIXTURE or 1-BUTYLENE or cis-2-BUTYLENE or trans-2-BUTYLENE~~

- Include SP 398 for UN 1012 into Table A of Chapter 3.2 and include into Chapter 3.3 the following new special provision:

**SP 398: This entry applies to mixtures of butylenes, 1-butylene, cis-2-butylene and trans-2-butylene. For isobutylene, see UN 1055**

- Amend Table B of Chapter 3.2 to read as follows:

Name and description	UN No.	Modification
1-BUTYLENE	1012	Modify the column "Name and description" to read "1-Butylene, see"
cis-2-BUTYLENE	1012	Modify the column "Name and description" to read "cis-2-Butylene, see"
trans-2-BUTYLENE	1012	Modify the column "Name and description" to read "trans-2-Butylene, see"
BUTYLENES MIXTURE	1012	Modify the column "Name and description" to read "Butylenes mixture, see"

11. Additional consequential amendments are as follows:

#### 4.1.4.1

**P 200** In Table 2, for UN 1012, amend the columns "UN No." and "Name and description" to read:

"1012 BUTYLENE (Butylenes mixture) or  
1012 BUTYLENE (1-Butylene) or  
1012 BUTYLENE (cis-2-Butylene) or  
1012 BUTYLENE (trans-2-Butylene)".

**4.3.3.2.5** For UN 1012, amend the columns "UN No." and "Name" to read:

"1012 BUTYLENE (Butylenes mixture) or  
1012 BUTYLENE (1-Butylene) or  
1012 BUTYLENE (cis-2-Butylene) or  
1012 BUTYLENE (trans-2-Butylene)".