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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-third session

Geneva, 27–31 August 2018

Item 4 (b) of the provisional agenda

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

Classification of explosion groups for additional UN numbers

Transmitted by the European Chemical Industry Council (CEFIC)*, **

I. Introduction

1. As a supplement to the mandate given to the working group on substances at the January 2017 meeting of the ADN Safety Committee, CEFIC commissioned the German Federal Institute of Physics and Metrology in Braunschweig to carry out additional measurements of the maximum safe gap for different UN numbers. The measurement results were made available to the informal working group for its tenth meeting, held in Berlin on 25 and 26 April 2018, during which they were also presented.

2. The record of the meeting of the informal working group on substances includes the following:

“36. At the end of the discussion, the informal working group agreed on the following basic principles:

- (i) The determination of the maximum experimental safe gap is similar to the determination of other physico-chemical data and other security settings (e.g. flashpoint, vapour pressure or boiling point). This means that there are no separate procedures for authorizing, certifying, recognizing or evaluating these data. In particular, where test results from competent authorities are

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available, the informal working group sees no fundamental reason to make the use of these results subject to further testing or evaluation.

(ii) According to the informal working group, given that it is not a matter of addressing safety gaps, it is the responsibility of the parties concerned to apply directly to the ADN Safety Committee through its representatives for changes to the requirements allowing assignments to less stringent explosion groups/subgroups and thus simplified transport conditions.”

II. Proposed amendments

3. CEFIC proposes to add to ADN 2021 (column (16) of Table C) the measurement results set out in III below for the substances indicated. For the period up to 31 December 2020, it is proposed to use a multilateral agreement that ensures the safety of transport, in line with III.

III. Measurement results

Measurement results

Explosion group

UN No. 1179 ETHYL BUTYL ETHER	0.87 mm	IIB1
UN No. 1216 ISOCTENES	0.95 mm	IIA

UN No. 3256 ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S.

7th entry ADN 2017

UN No. 3256 Low QI Pitch	0.90 mm (120 °C)	IIA (up to 120 °C)
	0.78 mm (180 °C)	IIB2 (up to 200 °C)

1st entry ADN 2017

UN No. 3295 Pyrolysis oil	0.99 mm (80 °C)	IIA (up to 80 °C)
UN No. 3295 Novadest A	0.94 mm (120 °C)	IIA (up to 120 °C)

UN No. 3295 HYDROCARBONS, LIQUID, N.O.S. 2nd entry ADN 2017

UN No. 3295 Hydrocarbons, C5-rich	0.90 mm	IIA
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IV. Amendment to ADN 2021, column (16), Table C

UN No. 1179 ETHYL BUTYL ETHER	IIB1
UN No. 1216 ISOCTENES	IIA

UN No. 3256 ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S.

7th entry ADN 2017

UN No. 3256 Low QI Pitch	IIB2
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1st entry ADN 2017

UN No. 3256 Pyrolysis oil	IIB ⁴ (IIB3)
UN No. 3256 Novadest A	IIB ⁴ (IIB3)
UN No. 3295 HYDROCARBONS, LIQUID, N.O.S.	IIB ⁴ (IIB3)

2nd entry ADN 2017

V. Action to be taken

4. The Safety Committee is invited to consider the measurement results set out in paragraph 3 above and to make such arrangements as it considers necessary for the preparation of a multilateral agreement.
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