

Economic Commission for Europe

Inland Transport Committee

Working Party on the Transport of Dangerous Goods

14 August 2013

Joint Meeting of the RID Committee of Experts and the Working Party on the Transport of Dangerous Goods

Geneva, 17-27 September 2013

Item 6 (a) of the provisional agenda

Proposals for amendments to RID/ADR/ADN pending issues

Amendment to 5.3.3 (Elevated temperature mark)

Transmitted by the European Chemical Industry Council (CEFIC)

Summary

Executive summary: Harmonize the requirement in RID/ADR/ADN for the use of the elevated temperature mark with these of the United Nations Model Regulations.

Action to be taken: Amend 5.3.3

Introduction

1. At the Joint meeting in Bern on March 18th - 22nd, Cefic presented the document ECE/TRANS/WP.15/AC.1/2013/20 proposing to amend section 5.3.3

Summary:

Section 5.3.3 of RID/ADR/ADN requires now that the substances transported as liquid at $T^{\circ} \geq 100^{\circ}\text{C}$ or as solid at $T^{\circ} \geq 240^{\circ}\text{C}$ and assigned with the Special Provision SP580, shall have the T° mark, which applies to UN3257 and UN3258.

With the 2013 amendment of RID/ADR/ADN, SP580 applies also to UN3256 for flammable liquids, when transported at $T^{\circ} \geq 100^{\circ}\text{C}$

However, other substances having other UN Numbers, can also be transported at $T^{\circ} \geq 100^{\circ}\text{C}$ or at $T^{\circ} \geq 240^{\circ}\text{C}$, and are not assigned with SP580.

The risk or burns exist for those substances too.

Instead of adding SP580 to those substances, the proposal is to harmonize the RID/ADR/ADN with the UN Model Regulation and IMDG, which do not refer to SP580 and have all the requirements written in 5.3.2.2.

Proposal

2. Cefic therefore proposed the following amendments.

(a) Amend section 5.3.3 of ADR as follows:

Tank-vehicles, tank-containers, portable tanks, special vehicles or containers or especially equipped vehicles or containers ~~for which a mark for elevated temperature substances is required according to special provision 580 in Column (6) of Table A of chapter 3.2~~ containing a substance that is carried or handed over for carriage in a liquid state at or above 100 °C or in a solid state at or above 240 °C shall bear on both sides and at the rear for vehicles, and on both sides and at each end for containers, tank-containers and portable tanks, a triangular shaped mark with sides of at least 250 mm, to be shown in red, as reproduced below.



Similar amendments as in the ADR text above need to be applied to section 5.3.3 of RID and ADN.

(b) Remove SP 580 in Chapter 3.2, Table A, column (6) for UN numbers 3256, 3257 and 3258.

(c) Delete SP 580 in Chapter 3.3.

3. The proposal to amend 5.3.3 was adopted in square brackets at the Joint Meeting in March 2013, as followed :

[3.2.1, Table A For UN numbers 3256, 3257 and 3258, remove special provision 580 in column (6).]

(Reference document: ECE/TRANS/WP.15/AC.1/2013/20)

[5.3.3 Replace "for which a mark for elevated temperature substances is required according to special provision 580 in Column (6) of Table A of Chapter 3.2" with "containing a substance that is carried or handed over for carriage in a liquid state at or above 100 °C or in a solid state at or above 240 °C".]

(Reference document: ECE/TRANS/WP.15/AC.1/2013/20)

4. As the representatives of UIC and IRU indicated that the reference to special provision 580 facilitated the exchange of electronic data, and telematics applications, one way of taking account of the comments of UIC and IRU, it has been requested to Cefic to identify the entries to which special provision 580 might apply, although 5.4.1.1.14 already provides for special mention in the transport document of substances not covered by special provision 580.

5. The following list of UN numbers has been obtained:

1578 Chloronitrobenzenes solid
1759 Corrosive solid n.o.s.
2651 4,4'-Diaminodiphenylmethane
2670 Cyanuric chloride
2811 Toxic solid, organic, n.o.s.

- 2921 Corrosive solid, flammable, n.o.s.
- 2923 Corrosive solid, toxic, n.o.s.
- 2928 Toxic solid, corrosive, organic, n.o.s.
- 2930 Toxic solid, flammable, organic, n.o.s.
- 3261 Corrosive solid, acidic, organic, n.o.s.
- 3263 Corrosive solid, basic, organic, n.o.s.
- 3264 Corrosive Liquid, acidic, inorganic, n.o.s. (Polyphosphoric Acid)

6. Cefic emphasizes that the list cannot be exhaustive, recognizing that not all chemicals are covered or represented in Cefic Chemical Sector Groups.
7. This strengthens the proposal for deleting SP580 for the existing entries, and not referring to the SP580 in 5.3.3.

Possible Way Forward

8. Cefic supports the initiative launched by UIC and IRU concerning a proposal of codification for electronic data interchange (ECE/TRANS/WP.15/AC.1/2013/47), which would bring a solution for the use of new marks like the "Environmentally hazardous" or "Elevated temperature" ones.
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