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**Committee of Experts on the Transport of Dangerous Goods  
and on the Globally Harmonized System of Classification  
and Labelling of Chemicals**

**Sub-Committee of Experts on the Transport of Dangerous Goods**

**Sixty-fifth session**

Geneva, 25 November-3 December 2024

Item 5 (a) of the provisional agenda

**Transport of gases:  
Global recognition of UN and non-UN pressure receptacles**

Acetylene Cylinder Marking

Transmitted by the European Industrial Gases Association (EIGA)[[1]](#footnote-2)\*

I. Introduction

1. In the sixty-fourth session of the Sub-Committee of Experts on the Transport of Dangerous Goods, EIGA presented informal document INF.13 on acetylene cylinder marking.

2. While there was general support on the proposal, some experts stated a preference for a regular text instead of a note in case the intent was a permanent solution and not a transitional measure.

3. Furthermore, it was stated by some experts that, where possible, the required marking should be applied and that only for cylinders where the additional marking cannot be applied, an allowance should be given to not apply the marks.

4. It was concluded that EIGA would prepare a official document taking into account the comments received.

5. Considering the above, EIGA would like to propose new provisions for the marking of acetylene cylinders.

II. Proposals

A. Proposal 1

6. EIGA proposes to add the new text below in 6.2.2.7.3 (k)(iii) as follows (new text is underlined):

“*(k) In the case of cylinders for UN 1001 acetylene, dissolved:*

*(i) the tare in kilograms consisting of the total of the mass of the empty cylinder shell, the service equipment (including porous material) not removed during filling, any coating, the solvent and the saturation gas expressed to three significant figures rounded down to the last digit followed by the letters "KG". At least one decimal shall be shown after the decimal point. For pressure receptacles of less than 1 kg, the mass shall be expressed to two significant figures rounded down to the last digit;*

*(ii) the identity of the porous material (e.g.: name or trademark); and*

*(iii) the total mass of the filled acetylene cylinder in kilograms followed by the letters "KG";*

*Acetylene cylinders constructed in accordance with the twenty-first revised edition of the Model Regulations may continue to be used without the application of the marks detailed in (ii) and (iii) when the marking can neither be applied on the cylinder shoulder nor applied on any neck ring.*”

7. EIGA proposes to add the new text below in 6.2.2.7.3 (l)(iii) as follows (new text is underlined):

“*(l) In the case of cylinders for UN 3374 acetylene, solvent free:*

*(i) the tare in kilograms consisting of the total of the mass of the empty cylinder shell, the service equipment (including porous material) not removed during filling and any coating expressed to three significant figures rounded down to the last digit followed by the letters "KG". At least one decimal shall be shown after the decimal point. For pressure receptacles of less than 1 kg, the mass shall be expressed to two significant figures rounded down to the last digit;*

*(ii) the identity of the porous material (e.g.: name or trademark); and*

*(iii) the total mass of the filled acetylene cylinder in kilograms followed by the letters "KG";*

*Acetylene cylinders constructed in accordance with the twenty-first revised edition of the Model Regulations may continue to be used without the application of the marks detailed in (ii) and (iii) when the marking can neither be applied on the cylinder shoulder nor applied on any neck ring*.”

B. Proposal 2

8. As a consequential amendment to Proposal 1, EIGA proposes to modify the note under 6.2.2.7.3 as follows to reflect the text proposed above (new text is underlined, deleted text stricken through):

“***NOTE:*** *Acetylene cylinders constructed in accordance with the twenty-first revised edition of the Model Regulations which are not marked in accordance with 6.2.2.7.3 (k) or (l) applicable in the twenty-second revised edition of the Model Regulations, may continue to be used until the next periodic inspection and test two years after the coming into force of the twenty-~~third~~fourth revised edition of the Model Regulation where they have to be marked according to the twenty-~~third~~fourth revised edition of the Model Regulations or be taken out of operation.*”

III. Justification

9. The changes proposed have no safety implications.

10. Safety risks due to improper marking on the shells of acetylene cylinders would be avoided.

1. \* A/78/6 (Sect. 20), table 20.5. [↑](#footnote-ref-2)