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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**

**Fifty-seventh session**

Geneva, 29 June-8 July 2020  
Item 6 (e) of the provisional agenda

**Miscellaneous proposals for amendments to the Model Regulations   
on the Transport of Dangerous Goods: other miscellaneous proposals**

Increase of the maximum allowed internal pressure for aerosol dispensers

Transmitted by the European Aerosol Federation (FEA) and the Household and Commercial Products Association (HCPA)[[1]](#footnote-2)

Introduction

1. At the fifty-sixth session in December 2019, FEA and HCPA introduced document ST/SG/AC.10/C.3/2019/55 to the Sub-Committee.

2. There was support for the proposal in general with several comments.

3. Therefore, FEA and HCPA propose the following modifications:

* Placing the equivalent provisions in Chapter 6.2.4.
* Maintaining the general pressure limits as a global and multimodal safety net, but without linking design provisions for which reaching a global consensus would not be achievable.
* Including provisions addressing aerosols containing several propellants of different nature (e.g. flammable and non-flammable).

Proposal

4. FEA and HCPA proposes to amend Chapter 6.2.4, which applies to all aerosol dispensers, by adding a new paragraph 6.2.4.1 and some inevitable renumbering (in bold) of existing paragraphs and references to read:

[For readability reasons, the text which is unquoted or not in bold remains unchanged]

“6.2.4.1 The internal pressure of aerosol dispensers at 50 °C shall not exceed 1.2 MPa (12 bar) when using flammable liquefied gases, 1.32 MPa (13.2 bar) when using non-flammable liquefied gases, and 1.5 MPa (15 bar) when using non-flammable compressed or dissolved gases. In case of a mixture of several gases, the stricter limit will apply.

**6.2.4.2** Each filled aerosol dispenser or gas cartridge or fuel cell cartridge shall be subject to a test in a hot water bath in accordance with 6.2.4.**2.**1 or an approved waterbath alternative in accordance to 6.2.4.**2**.2.

6.2.4.**2.**1 *Hot water bath test*

6.2.4.**2.**1.1 The temperature…

6.2.4.**2.**1.2 No leakage…

6.2.4.**2.**2 *Alternative methods*

With the approval of the competent authority alternative methods that provide an equivalent level of safety may be used provided that the requirements of 6.2.4.**2.**2.1 an, as appropriate, 6.2.4.**2.**2.2 or 6.2.4.**2**.2.3 are met.

6.2.4.**2.**2.1 Quality system

…

6.2.4.**2.**2.2 Aerosol dispensers

6.2.4.**2.**2.2.1 Pressure and leak testing…

…

6.2.4.**2.**2.2.2 Testing of the aerosol dispensers after filling

6.2.4.**2.**2.3 Gas cartridges and fuel cell cartridges

6.2.4.**2.**2.3.1 Pressure testing…

…

6.2.4.**2.**2.3.2 Leak testing…

…

6.2.4.**2.**3 With the approval of the competent authority, aerosol and receptacles, small, are not subject to 6.2.4.**2.**1 and 6.2.4.**2.**2, if…

…”

1. 2020 (A/74/6 (Sect.20) and Supplementary, Subprogramme 2). [↑](#footnote-ref-2)