|  |  |  |
| --- | --- | --- |
|  |  | **UN/SCETDG/65/INF.4**  **UN/SCEGHS/47/INF.3** |

|  |  |
| --- | --- |
| **Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals 16 September 2024** | |
| **Sub-Committee of Experts on the  Transport of Dangerous Goods** | **Sub-Committee of Experts on the Globally Harmonized System of Classification and Labelling of Chemicals** |
| **Sixty-fifth session** | **Forty-seventh session** |
| Geneva, 25 November-3 December 2024 Item 10 (c) of the provisional agenda  **Issues relating to the Globally Harmonized System  of Classification and Labelling of Chemicals:  Miscellaneous** | Geneva, 4-6 December 2024 Item 2 (k) of the provisional agenda  **Work on the Globally Harmonized System of Classification and Labelling of Chemicals:  Other matters** |

Proposal for clarification to the aerosol category 3 criteria

Transmitted by the expert from the United States of America

This informal document sets out the changes proposed in document ST/SG/AC.10/C.3/2024/111- ST/SG/AC.10/C.4/2024/17.

Existing (unchanged) text is shown in black, with new text is shown in blueand deleted text is shown in **red** ~~strikethrough~~*~~.~~*

Amendments to table 3.2.1 “Criteria for aerosols”

Option 1

**Table 2.3.1: Criteria for aerosols**

|  |  |
| --- | --- |
| **Category** | **Criteria** |
| 1 | 1) Any aerosol that contains > 85% flammable components (by mass) and has a heat of combustion of >30 kJ/g; or  2) Any aerosol that dispenses a spray that, in the ignition distance test, has an ignition distance of >75 cm; or  3) Any aerosol that dispenses a foam that, in the foam flammability test, has  a) a flame height of > 20 cm and a flame duration of > 2 s, or  b) a flame height of > 4 cm and a flame duration of > 7 s |
| 2 | 1) Any aerosol that dispenses a spray that, based on the results of the ignition distance test, does not meet the criteria for Category 1, and which has  (a) a heat of combustion of ≥ 20 kJ/g, or  (b) a heat of combustion of < 20 kJ/g along with an ignition distance of ≥ 15 cm, or  (c) a heat of combustion of < 20 kJ/g and an ignition distance of < 15 cm along with either, in the enclosed space ignition test,  - a time equivalent of ≤ 300 s/m3, or  - a deflagration density of ≤ 300 g/m3; or  2) Any aerosol that dispenses a foam that, based on the results of the aerosol foam flammability test, does not meet the criteria for Category 1, and which has a flame height of ≥ 4 cm and a flame duration of ≥ 2 s. |
| 3 | 1. Any aerosol that contains ≤ 1 % flammable components (by mass) and that has a heat of combustion < 20 kJ/g; or 2. Any other aerosol that ~~contains > 1 % (by mass) flammable components or and which has a heat of combustion of ≥ 20 kJ/g but which, based on the results of the ignition distance test, the enclosed space ignition test, or the aerosol foam flammability test,~~does not meet the criteria for Category 1 or Category 2 |

Option 2

**Table 2.3.1: Criteria for aerosols**

|  |  |
| --- | --- |
| **Category** | **Criteria** |
| 1 | 1) Any aerosol that contains > 85% flammable components (by mass) and has a heat of combustion of >30 kJ/g; or  2) Any aerosol that dispenses a spray that, in the ignition distance test, has an ignition distance of >75 cm; or  3) Any aerosol that dispenses a foam that, in the foam flammability test, has  a) a flame height of > 20 cm and a flame duration of > 2 s, or  b) a flame height of > 4 cm and a flame duration of > 7 s |
| 2 | 1) Any aerosol that dispenses a spray that, based on the results of the ignition distance test, does not meet the criteria for Category 1, and which has  (a) a heat of combustion of ≥ 20 kJ/g, or  (b) a heat of combustion of < 20 kJ/g along with an ignition distance of ≥ 15 cm, or  (c) a heat of combustion of < 20 kJ/g and an ignition distance of < 15 cm along with either, in the enclosed space ignition test,  - a time equivalent of ≤ 300 s/m3, or  - a deflagration density of ≤ 300 g/m3; or  2) Any aerosol that dispenses a foam that, based on the results of the aerosol foam flammability test, does not meet the criteria for Category 1, and which has a flame height of ≥ 4 cm and a flame duration of ≥ 2 s. |
| 3 | 1) Any aerosol that contains < 1% flammable components (by mass) and that has a heat of combustion < 20 kJ/g; or  2) Any aerosol that dispenses a spray that contains > 1% (by mass) flammable components ~~or~~ and which has a heat of combustion of < ~~>~~ 20 kJ/g but which, based on the results of the ignition distance test~~,~~ or the enclosed space ignition test, ~~or the aerosol foam flammability test,~~ does not meet the criteria for Category 1 or Category 2.  3) Any aerosol that dispenses a foam but which, based on the results of the aerosol foam flammability test, does not meet the criteria of Category 1 or Category 2. |