

Council Directive of 20 May 1975 on the approximation of the laws
of the Member States relating to aerosol dispensers (75/324/EEC)

Article 1	This Directive shall apply to aerosol dispensers as defined in...
Article 2	For the purpose of this Directive, the term 'aerosol dispenser'...
Article 3	The person responsible for the marketing of aerosol dispensers shall...
Article 4	The Member States may not, for reasons related to the...
Article 5	The Commission shall adopt the amendments required to adapt the...
Article 6	(1) A committee on the adaptation to technical progress of...
Article 7	(1) The Commission shall be assisted by the Committee on...
Article 8	(1) Without prejudice to Regulation (EC) No 1272/2008 of the...
Article 9	Member States shall take all necessary measures to prevent the...
Article 9a
Article 10	(1) If a Member State notes, on the basis of...
Article 11	(1) The Member States shall bring into force the provisions...
Article 12	This Directive is addressed to the Member States.

ANNEX

1. DEFINITIONS
 - 1.1. Pressures
 - 1.2. Test pressure
 - 1.3. Bursting pressure
 - 1.4. Total capacity of the container
 - 1.5. Net capacity
 - 1.6. Volume of liquid phase
 - 1.7. Test conditions
 - 1.7a. Substance
 - 1.7b. Mixture
 - 1.8. Flammable contents
 - 1.9. Flammable aerosols
 - 1.9.1. Flammable spray aerosols
 - 1.9.2. Flammable foam aerosols
 - 1.10. Chemical Heat of Combustion
2. GENERAL PROVISIONS
 - 2.1. Construction and equipment
 - 2.1.1. The filled aerosol dispenser must be such that, under normal...
 - 2.1.2. The valve must enable the aerosol dispenser to be virtually...
 - 2.1.3. There must be no possibility that the mechanical resistance of...
 - 2.2. Labelling
 - 2.3. Volume of the liquid phase
3. SPECIAL PROVISIONS FOR METAL AEROSOL DISPENSERS

- 3.1. Capacity
 - 3.1.1. Test pressure of the container
 - 3.1.2. The pressure at 50 °C in the aerosol dispenser must...
 - 3.1.3. Volume of the liquid phase
- 4. SPECIAL PROVISIONS FOR GLASS AEROSOL DISPENSERS
 - 4.1. Plastic coated or permanently protected containers
 - 4.1.1. Capacity
 - 4.1.2. Coating
 - 4.1.3. Test pressure of the container
 - 4.1.4. Filling
 - 4.1.5. Volume of the liquid phase
 - 4.2. Unprotected glass containers
 - 4.2.1. Capacity
 - 4.2.2. Test pressure of the container
 - 4.2.3. Filling
 - 4.2.4. Volume of the liquid phase
- 5. SPECIAL PROVISIONS APPLYING TO PLASTIC AEROSOL DISPENSERS
 - 5.1. Plastic aerosol dispensers which may splinter on bursting shall be...
 - 5.2. Plastic aerosol dispensers which cannot splinter on bursting shall be...
- 6. TESTS
 - 6.1. Test requirements to be guaranteed by the person responsible for...
 - 6.1.1. Hydraulic test on empty containers
 - 6.1.1.1. Metal, glass or plastic aerosol dispensers must be able to...
 - 6.1.1.2. Metal containers showing assymetrical or major distortions or other similar...
 - 6.1.2. Bursting test for empty metal containers
 - 6.1.3. Dropping test for protected glass containers
 - 6.1.4. Final inspection of filled aerosol dispensers
 - 6.1.4.1. Aerosol dispensers shall be subject to one of the following...
 - (a) Hot water bath test
 - (b) Hot final test methods
 - (c) Cold final test methods
 - 6.1.4.2. For aerosol dispensers the contents of which undergo a physical...
 - 6.1.4.3. In case of test methods according to points 6.1.4.1(b) and...
 - 6.2. Examples of inspection tests which may be carried out by...
 - 6.2.1. Test on unfilled containers
 - 6.2.2. Tests on filled aerosol dispensers
 - 6.3. Tests on the flammability of aerosols
 - 6.3.1. Ignition distance test for spray aerosols
 - 6.3.1.1. Introduction
 - 6.3.1.1.1. This test standard describes the method to determine the ignition...
 - 6.3.1.1.2. This test is applicable to aerosol products with a spray...
 - 6.3.1.2. Apparatus and material
 - 6.3.1.2.1. The following apparatus is required:
 - 6.3.1.3. Procedure
 - 6.3.1.3.1. General requirements

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- 6.3.1.3.1. Before testing, each aerosol dispenser shall be conditioned and then...
- 6.3.1.3.2. The instructions of use shall be strictly followed, including whether...
- 6.3.1.3.3. The test shall be carried out in a draught-free environment...
- 6.3.1.3.4. Each aerosol dispenser is to be tested:
- 6.3.1.3.5. During the test, the can shall be positioned as indicated...
- 6.3.1.3.6. The following procedure requires testing the spray at intervals of...
- 6.3.1.3.7. Test procedure
 - 6.3.1.3.7.1. All experiments shall be performed in a fume hood in...
 - 6.3.1.3.7.2. The cans with a 10-12 % nominal fill level shall...
 - 6.3.1.3.7.3. When the test in the position in which the dispenser...
- 6.3.1.4. Method of assessing results
 - 6.3.1.4.1. All the results shall be recorded. Table 6.3.1.1 below shows...
- 6.3.2. Enclosed space ignition test
 - 6.3.2.1. Introduction
 - 6.3.2.2. Apparatus and material
 - 6.3.2.2.1. The following apparatus is required:
 - 6.3.2.2.2. Preparation of test apparatus
 - 6.3.2.2.2.1. A cylindrical vessel approximately 200 dm³ volume, approximately 600...
 - 6.3.2.2.2.2. Usually, the product leaves the aerosol can at an angle...
 - 6.3.2.3. Procedure
 - 6.3.2.3.1. General requirements
 - 6.3.2.3.1.1. Before testing, each aerosol dispenser shall be conditioned and then...
 - 6.3.2.3.1.2. The instructions of use shall be strictly followed, including whether...
 - 6.3.2.3.1.3. The tests shall be carried out in a draught-free environment...
 - 6.3.2.3.2. Test procedure
 - (a) A minimum of 3 full aerosol dispensers per product shall...
 - (b) Measure or calculate the actual volume of the drum in...
 - (c) Comply with general requirements. Record the temperature and relative humidity...
 - (d) Determine the internal pressure and initial discharge rate at 20...
 - (e) Weigh one of the aerosol dispensers and note its mass;...
 - (f) Light the candle and apply the closure system (cover or...
 - (g) Place the aerosol dispenser actuator orifice 35 mm or closer...

- (h) Spray until ignition occurs. Stop the chronometer and note the...
 - (i) Ventilate and clean the drum removing any residue likely to...
 - (j) Repeat the test procedure steps (d) to (i) for another...
- 6.3.2.4. Method of assessing results
- 6.3.2.4.1A test report containing the following information shall be drawn...
 - 6.3.2.4.2The time equivalent (t_{eq}) needed to achieve ignition...
 - 6.3.2.4.3The deflagration density (D_{def}) needed to achieve ignition...
- 6.3.3. Aerosol foam flammability test
- 6.3.3.1. Introduction
 - 6.3.3.1.1This test standard describes the method to determine the flammability...
 - 6.3.3.2. Apparatus and material
 - 6.3.3.2.1The following apparatus is required:
 - 6.3.3.2.2The watchglass is placed on a fire-resistant surface within a...
 - 6.3.3.2.3The scale is positioned in such a way that its...
 - 6.3.3.3. Procedure
 - 6.3.3.3.1General requirements
 - 6.3.3.3.1.1Before testing, each aerosol dispenser shall be conditioned and then...
 - 6.3.3.3.1.2The instructions of use shall be strictly followed, including whether...
 - 6.3.3.3.1.3The tests shall be carried out in a draught-free environment...
 - 6.3.3.3.2Test procedure
 - (a) A minimum of four full aerosol dispensers per product shall...
 - (b) Comply with general requirements. Record the temperature and relative humidity...
 - (c) Determine the internal pressure at $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$ (to...
 - (d) Measure the discharge or flow rate of the aerosol product...
 - (e) Weigh one of the aerosol dispensers and note its mass;...
 - (f) On the basis of the measured discharge or flow rate...
 - (g) Within five seconds of completion of discharge, apply the source...
 - (h) If ignition occurs note the following points:
 - (i) Ventilate the test area immediately after each test;
 - (j) If ignition is not obtained and the released product remains...
 - (k) Repeat the test procedure steps (e) to (j) twice more...
 - (l) Repeat the test procedure steps (e) to (k) for another...

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6.3.3.4. Method of assessing results

6.3.3.4.1A test report containing the following information shall be drawn...

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- (1) [OJ No C 83, 11.10.1973, p. 24.](#)
- (2) [OJ No C 101, 23.11.1973, p. 28.](#)