AS 2278.1—2008

Australian Standard®

Aerosol containers

Part 1: Metal aerosol dispensers of capacity 50 mL to 1000 mL inclusive

This Australian Standard® was prepared by Committee PK-013, Aerosol Containers. It was approved on behalf of the Council of Standards Australia on 1 August 2008.
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The following are represented on Committee PK-013:

- ACCORD Australasia
- Aerosol Association of Australia
- Aerosol Association of New Zealand
- Australian Chamber of Commerce and Industry
- Australian Institute of Packaging
- Australian Paint Manufacturers Federation
- Canmakers Institute of Australia Inc
- NSW Police
- Packaging Council of Australia
- RailCorp
- Victorian WorkCover Authority

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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Part 1: Metal aerosol dispensers of capacity 50 mL to 1000 mL inclusive

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PREFACE

This Standard was prepared by Standards Australia Committee, PK-013, Aerosol Containers, to supersede AS 2278—2000, *Metal aerosol dispensers of capacity 50 mL to 1000 mL inclusive.*

This Standard has been updated to be in line with other foreign standards such as the Council Directives of European Communities to keep pace with new developments. In addition, recognition has been taken of the United Nations Recommendations on the Transport of Dangerous Goods Model Regulations.

The objective of this revision was to update the 2000 version. The test requirements for empty aerosol dispensers have been modified to better reflect modern practice. Appendix A of AS 2278—2000 was not included in this edition because it did not comply with the current *Australian Code for the Transport of Dangerous Goods by Road and Rail* (ADG Code), the UN *Recommendations on the Transport of Dangerous Goods—Model Regulations*, and *Globally Harmonized System of Classification and Labelling of Chemicals (GHS)* criteria.

This Standard is referenced in the Code of Transportation of Dangerous Goods, for the legislators (e.g. WorkCover), consumers and parts of the aerosol industry.

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for materials, construction, filling, performance testing and marking for metal aerosol dispensers from 50 mL to 1000 mL maximum net capacity, pressurized by liquefied, dissolved or compressed propellant gases.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)

United Nations (UN) Recommendations on the Transport of Dangerous Goods—Model Regulations

1.3 DEFINITIONS

For the purpose of this Standard the definitions below apply.

1.3.1 Aerosol dispenser

The UN *Recommendations on the Transport of Dangerous Goods—Model Regulations* defines an aerosol dispenser as 'a non-refillable receptacle made of metal, glass or plastics and containing a gas, compressed, liquefied or dissolved under pressure, with or without a liquid, paste or powder, and fitted with a release device allowing the contents to be ejected as solid or liquid particles in suspension in a gas, as a foam, paste or powder or in a liquid state or in a gaseous state'.

1.3.2 Bursting pressure

The minimum pressure that causes the unfilled aerosol dispenser container to burst or rupture.

1.3.3 Flammable

Flammable components are gases that are flammable in air at normal pressure, or substances or preparations in liquid form that have a flashpoint of not more than 93°C.

1.3.4 Net capacity

The volume in millilitres of a filled and closed aerosol dispenser.

1.3.5 Product

The total contents of a filled aerosol dispenser including the propellant.

1.3.6 Test conditions

The values of test and bursting pressures exerted hydraulically at 20 ±5°C.

