

AS 2507:2025



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Storage and Handling of Agricultural and Veterinary Chemicals

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AS 2507:2025

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Australasian Explosives Industry Safety Group
Australasian Fire and Emergency Service Authorities Council
Australasian Institute of Dangerous Goods Consultants
CSIRO
Chemistry Australia
ComCare (Commonwealth Government)
Department of Energy, Mines, Industry Regulation and Safety Western Australia
Institution of Chemical Engineers
National Retail Association Australia
National Transport Commission
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Storage and Handling of Agricultural and Veterinary Chemicals

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How to read this Standard

This page explains the meaning of the language and structure of this Standard.

Refer to Standards Australia's Standardisation Guide 006 for more details about drafting rules.

Australian and Australian/New Zealand Standards are voluntary unless they are referenced in legislation or called up in contracts.

Requirements

To conform to a Standard, all requirements in the Standard need to be met.

A requirement is any statement in the Standard which uses the word "shall".

Recommendations, permissions and possibilities

The following words are commonly used in Standards, but statements using them do not have to be followed to conform to the Standard:

- (a) "should" means that something is recommended.
- (b) "may" means that something is permitted.
- (c) "can" means that something is possible.

Structure of Standards

A Standard always has the following parts:

- (i) The Preface states who developed the Standard, what the Standard is aiming to do, and how it relates to other documents.
- (ii) The Scope states what the Standard is about, what it covers and what it does not cover.
- (iii) The Normative references clause lists other documents that are referenced in the Standard as part of requirements.
- (iv) The Terms and definitions clause defines important terms to help with understanding the Standard.

A Standard may also include other parts, such as the following:

- (1) A normative appendix sets additional requirements that need to be conformed to.
- (2) An informative appendix provides additional information or guidance. They usually do not contain requirements. If an informative appendix does contain requirements, the Standard will explain when those requirements apply.
- (3) A Bibliography lists documents referenced in the Standard but not as part of requirements.

Many Standards include notes. Notes provide recommendations and/or guidance only. They never contain requirements.

Preface

This Standard was prepared by Standards Australia Committee CH-009, Safe Handling of Chemicals to supersede AS 2507—1998.

This document specifies requirements and recommendations for the storage and handling of agricultural and veterinary (AgVet) chemicals in —

- (a) packages up to 500 kg or 500 L; and
- (b) intermediate bulk containers of up to 1.6 m³ capacity which are classified as —
 - (i) dangerous goods under the Australian Dangerous Goods Code (ADG Code) (Classes 2.1, 3, 4.1, 4.3, 5.1 (excluding ammonium nitrate), 6.1, 8 and 9);
 - (ii) environmentally hazardous under the ADG Code;
 - (iii) hazardous chemicals under the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as per Safe Work Australia; or
 - (iv) scheduled poisons by the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

This document also applies to hazardous chemicals and dangerous goods which are stored with AgVet chemicals in packages up to 500 kg or 500 L and intermediate bulk containers of up to 1.6 m³ capacity.

This document has been drafted to be consistent with the risk management principles of the Safe Work Australia Codes of Practice, GHS, SUSMP and relevant regulations.

The major changes in this edition are as follows:

- (i) Shift in terminology from hazardous substances to hazardous chemicals.
- (ii) References to National Occupational Health and Safety Commission (NOHSC) replaced with references to Safe Work Australia.
- (iii) Scope updated to include forestry as an example end user.
- (iv) Expanded guidance on when to use alternative Standards.
- (v) New section added to establish concessions for minor storage.
- (vi) Added information on fencing and gates to new Appendix A.
- (vii) Added information on the use of forklift trucks and vehicles not rated for hazardous areas in flammable liquids package stores in new Appendix B.
- (viii) Updated information on health hazards and first aid in Appendix D.

The following Standards presently cover the storage and handling of dangerous goods:

AS 1834, *The storage and handling of non-flammable cryogenic and refrigerated liquids*

AS 1940, *The storage and handling of flammable and combustible liquids*

AS 2714, *The storage and handling of organic peroxides*

AS 2927, *The storage and handling of liquefied chlorine gas*

AS 3780, *The storage and handling of corrosive substances*

AS 3961, *The storage and handling of liquefied natural gas*

AS 4326, *The storage and handling of oxidizing agents*

AS 4332, *The storage and handling of gases in cylinders*

AS/NZS 1596, *The storage and handling of LP Gas*

AS/NZS 2022, *Anhydrous ammonia—Storage and handling*

AS/NZS 3833, *The storage and handling of mixed classes of dangerous goods, in packages and intermediate bulk containers*

AS/NZS 4081, *The storage and handling of liquid and liquefied polyfunctional isocyanates*

AS/NZS 4452, *The storage and handling of toxic substances*

The terms “normative” and “informative” are used in Standards to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

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NOTES

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Australian Standard[®]

Storage and Handling of Agricultural and Veterinary Chemicals

Section 1 Scope and general

1.1 Scope

This document specifies requirements and recommendations for the storage and handling of AgVet chemicals in packages up to 500 kg or 500 L and intermediate bulk containers of up to 1.6 m³ capacity, which are classified as —

- (a) dangerous goods under the ADG Code (Classes 2.1, 3, 4.1, 4.3, 5.1 (excluding ammonium nitrate), 6.1, 8 and 9);
- (b) environmentally hazardous under the ADG Code;
- (c) hazardous chemicals under the Globally Harmonized System of Classification and Labelling of Chemicals (GHS); or
- (d) scheduled poisons under the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

This document also applies to hazardous chemicals and dangerous goods within the classifications listed above, which are stored with AgVet chemicals in packages up to 500 kg or 500 L and intermediate bulk containers of up to 1.6 m³ capacity.

This document is intended for use in relation to the storage and handling of unopened packages by AgVet retailers; consumer retailers; distribution centres; and commercial end user industries, including pest control, horticulture, floriculture, farms and other rural industries, forestry, recreation (including parks and gardens maintenance) and National Parks.

NOTE 1 Classification and identification systems for dangerous goods and scheduled poisons are outlined in Appendix C.

NOTE 2 Information about health hazards presented by AgVet chemicals, and suitable first aid procedures are provided in Appendix D.

1.2 Exclusions

This document does not apply to —

- (a) the manufacture of AgVet chemicals;
- (b) the use of AgVet chemicals;
- (c) the storage and handling of liquid AgVet chemicals in individual tanks (including IBCs of capacity greater than 1.6m³) or of solid (powdered, granulated etc.) AgVet chemicals in FIBCs of capacity greater than 1.6m³ or silos etc. (refer to applicable Standard);
- (d) package filling lines;
- (e) the transport of AgVet chemicals;
- (f) the following GHS categories —
 - (i) acute toxicity — oral — category 5;
 - (ii) acute toxicity — dermal — category 5;
 - (iii) acute toxicity — inhalation — category 5;