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AS 1940—2004
(Incorporating Amendment Nos 1 and 2)

Australian Standard®

The storage and handling of flammable and combustible liquids

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This Australian Standard® was prepared by Committee ME-017, Flammable and Combustible Liquids. It was approved on behalf of the Council of Standards Australia on 2 September 2004.
This Standard was published on 29 October 2004.

The following are represented on Committee ME-017:

- A.C.T. WorkCover
- Agsafe
- Australasian Fire Authorities Council
- Australasian Railways Association
- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Australian Institute of Petroleum
- Australian Paint Manufacturers Federation
- Department for Administrative and Information Services, S.A.
- Department of Defence
- Department of Infrastructure, Energy and Resources, Tas.
- Department of Industry and Resources, W.A.
- Fire Protection Association of Australia
- Plastics and Chemicals Industries Association
- Queensland Department of Emergency Services
- Victorian WorkCover Authority

Additional Interests:

- Petroleum Industry Contractors' Association
- Winemakers Federation of Australia
- WorkCover New South Wales

This Standard was issued in draft form for comment as DR 03221.

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 public comment period.

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AS 1940—2004
(Incorporating Amendment Nos 1 and 2)

Australian Standard®

The storage and handling of flammable and combustible liquids

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PREFACE

This Standard was prepared by Standards Australia Committee ME-017, Flammable and Combustible Liquids, to supersede AS 1940—1993, *The storage and handling of flammable and combustible liquids*. This new edition is the result of a comprehensive review of the Standard.

This Standard incorporates Amendment No. 1 (November 2004) and Amendment No. 2 (November 2006). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

This Standard deals with flammable liquids of dangerous goods Class 3, as classified in the UN *Recommendations on the Transport of Dangerous Goods—Model Regulations*, and combustible liquids. The objective of this Standard is to promote the safety of persons and property where flammable or combustible liquids are stored or handled, by providing requirements and recommendations that are based on industry best practices.

This new edition of the Standard has been aligned with the current needs of regulatory authorities, emergency services and environmental authorities, and the various publications of the National Occupational Health and Safety Commission.

This Standard has been revised to reflect control philosophies and innovative designs that have been developed since the last edition. One major change in this revision of the Standard is the inclusion of requirements and recommendations for the storage and handling of potable alcohols in bulk and having a strength of greater than 24% v/v ethanol. Another is the inclusion of informative appendices providing guidance on the design and location of blending plants and batch blending and filling operations.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

Statements expressed in mandatory terms in notes to tables are deemed to be requirements of this Standard. Notes that appear in the main text of this Standard provide information only.

The series of Standards covering the storage and handling of dangerous goods presently comprises the following Standards:

AS
1894 The storage and handling of non-flammable cryogenic and refrigerated liquids

2022 Anhydrous ammonia—Storage and handling (known as the SAA Anhydrous Ammonia Code)

2507 The storage and handling of agricultural and veterinary chemicals

2714 The storage and handling of hazardous chemical materials—Class 5.2 substances (organic peroxides)

3780 The storage and handling of corrosive substances

3846 The handling and transport of dangerous cargoes in port areas

3961 Liquefied natural gas—Storage and handling

4326 The storage and handling of oxidizing agents

AS
4332 The storage and handling of gases in cylinders

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AS/NZS

1596 The storage and handling of LP Gas

2927 The storage and handling of liquefied chlorine gas

3833 The storage and handling of mixed classes of dangerous goods in packages and intermediate bulk containers

4081 The storage, handling and transport of liquid and liquefied polyfunctional isocyanates

4452 The storage and handling of toxic substances

4681 The storage and handling of Class 9 (miscellaneous) dangerous goods and articles

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