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AS 1940:2017
(Incorporating Amendment Nos 1 and 2)

AS 1940:2017

Australian STANDARD

The storage and handling of flammable and combustible liquids

STANDARDS Australia

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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 13 July 2017.
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The following are represented on Committee ME-017:

- Australasian Fire and Emergency Service Authorities Council
- Australasian Institute of Dangerous Good Consultants
- Australian Industry Group
- Australian Institute of Petroleum
- Australian Paint Manufacturers Federation
- Department of Defence
- Department of Justice, Tas.
- Department of Mines and Petroleum, WA
- Engineers Australia
- Fire Protection Association Australia
- Insurance Council of Australia
- Plastic and Chemicals Industries Association
- SafeWork SA
- WorkCover NSW
- Workplace Health and Safety, Qld
- WorkSafe, Vic.

Additional Interests:

- Accord Australasia
- AusSpill Association
- WorkCover Queensland

This Standard was issued in draft form for comment as DR AS 1940:2017.

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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AS 1940:2017
(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—2004. The objective of this Standard is to promote the safety of persons and prevent damage to property and the environment where flammable or combustible liquids are stored or handled.

This Standard incorporates Amendment No. 1 (August 2019) and Amendment No. 2 (June 2021). 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.

The changes in this revision of the Standard include alignment for the classification criteria of C1 combustible liquids to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The use of plastic polyethylene or other composite polymeric tanks for the minor storage of combustible liquids is now permitted. Some changes to fire hydrants requirements were also made in Section 11, dealing with fire protection for package stores.

Committee ME-017 reviewed the report with recommendations into the Buncefield oil depot fire in Hertfordshire UK in 2005, and implemented engineering controls accordingly, wherever possible.

The terms ‘normative’ and ‘informative’ have been used in this Standard 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.

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 Class 3 and related dangerous goods presently comprises the following Standards:

AS	
1894	The storage and handling of non-flammable cryogenic and refrigerated liquids
2106	Methods for the determination of the flash point of flammable liquids (closed cup) (series)
2507	The storage and handling of agricultural and veterinary chemicals
2585	Determination of flash and fire points—Cleveland open cup method
2714	The storage and handling of organic peroxides
3780	The storage and handling of corrosive substances
3846	The handling and transport of dangerous cargoes in port areas
3961	The storage and handling of liquefied natural gas
4326	The storage and handling of oxidizing agents
4332	The storage and handling of gases in cylinders
4897	The design, installation and operation of underground petroleum storage systems
4976	The removal and disposal of underground petroleum storage tanks

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AS/NZS	
1596	The storage and handling of LP Gas
2022	Anhydrous ammonia—Storage and handling
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
5026	The storage and handling of Class 4 dangerous goods
60079	Explosive atmospheres
60079.10.1	Part 10.1: Classification of areas—Explosive gas atmospheres
60079.14	Part 14: Electrical installations design, selection and erection

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