

AS 4332—2004
(Incorporating Amendment No.1)

AS 4332—2004

Australian Standard™

**The storage and handling of gases in
cylinders**



This Australian Standard was prepared by Committee CH-009, Safe Handling of Chemicals. It was approved on behalf of the Council of Standards Australia on 10 March 2004. This Standard was published on 30 April 2004.

The following are represented on Committee CH-009:

- Australasian Fire Authorities Council
- Australasian Railways Association
- Australian Consumer and Specialty Products Association
- Australian Institute of Petroleum
- Australian Paint Manufacturers Federation
- Avcare
- Consumers' Federation of Australia
- Department for Administrative and Information Services, S.A.
- Department of Emergency Services, Qld.
- Department of Environment and Conservation, N.S.W.
- Department of Minerals and Petroleum Resources, W.A.
- Institution of Engineers Australia
- New Zealand Chemical Industry Council
- New Zealand Fire Service
- Plastics and Chemicals Industry Association, Australia
- Tranz Rail, New Zealand
- Victorian WorkCover Authority
- WorkCover New South Wales

Additional Interests:

- Australian Industrial Gas Manufacturers Association
- Australian Liquefied Petroleum Gas Association
- Metropolitan Fire and Emergency Services Board, Melbourne
- Consultants to the dangerous goods industry

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The storage and handling of gases in cylinders

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PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee CH-009, Safe Handling of Chemicals, to supersede AS 4332—1995. This revision was commenced following advice from the Australian Industrial Gas Manufacturers' Association that several technical and safety matters needed further consideration and revision.

This Standard incorporates Amendment No. 1 (August 2005). 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.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard, rather than an Australian/New Zealand Standard.

This Standard deals with Class 2 substances, as classified in the ADG Code.

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

AS

1894	The storage and handling of non-flammable cryogenic and refrigerated liquids
1940	The storage and handling of flammable and combustible liquids
2507	The storage and handling of agricultural and veterinary chemicals
2714	The storage and handling of hazardous chemicals—Class 5.2 substances (organic peroxides)
2931	Selection and use of emergency procedure guides for the transport of dangerous goods
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
4289	Oxygen and acetylene reticulation systems
4326	The storage and handling of oxidizing agents
4839	The safe use of portable and mobile oxy-fuel gas systems for welding, cutting, heating and allied processes

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 and handling 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

Attention is also drawn to the AS 2030 series, *The verification, filling, inspection, testing and maintenance of cylinders for storage and transport of compressed gases*, in particular Part 1: *Cylinders for compressed gases other than acetylene*.

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

Statements expressed in mandatory terms in notes and footnotes to tables are deemed to be requirements of this Standard.

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