

AS/NZS 2927:2001  
(Incorporating Amendment No. 1)

AS/NZS 2927

Australian/New Zealand Standard™

# The storage and handling of liquefied chlorine gas

## **AS/NZS 2927:2001**

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CH-009, Safe Handling of Chemicals. It was approved on behalf of the Council of Standards Australia on 16 March 2001 and on behalf of the Council of Standards New Zealand on 27 April 2001. It was published on 5 May 2001.

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The following interests are represented on Committee CH-009:

Agsafe Australia  
Air Conditioning and Refrigeration Wholesalers Association  
Australasian Fire Authorities Council  
Australian Chemical Specialties Manufacturers Association  
Australian Institute of Petroleum  
Australian Paint Manufacturers Federation  
Department for Administrative and Information Services, S.A.  
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National Occupational Health & Safety Commission, Australia  
The New Zealand Chemical Industry Council  
New Zealand Fire Service  
Plastics and Chemicals Industries Association, Australia  
Tranz Rail, New Zealand  
Victorian WorkCover Authority  
WorkCover New South Wales

Additional interests participating in the preparation of this Standard:

Australian Industrial Gas Manufacturers Association  
Water Corporation Western Australia  
Water authorities and corporations  
Manufacturers, suppliers and industrial users of chlorine  
Manufacturers and suppliers of equipment for use with chlorine

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We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia International or Standards New Zealand at the address shown on the back cover.

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# **The storage and handling of liquefied chlorine gas**

Originated as AS 2927—1987.  
Jointly revised and designated AS/NZS 2927:2001.  
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## PREFACE

This Standard was prepared by Standards Australia/Standards New Zealand Committee CH-009, Safe Handling of Chemicals, to supersede AS 2927—1987, *The storage and handling of liquefied chlorine gas*.

*This Standard incorporates Amendment No. 1 (November 2001). The change required by the Amendment is indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

The objective of this Standard is to promote the safety of persons and property where chlorine is stored or handled in its gaseous or liquefied forms, by providing requirements and recommendations that are based on industry best practices.

This edition has been reformatted to improve clarity and to align with the other published Standards for the storage and handling of dangerous goods. Attention has been paid to better alignment with the requirements of the various state, territory and national regulatory authorities and emergency services, as well as the various publications of the National Occupational Health and Safety Commission (NOHSC).

The series of Standards for 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
1940	The storage and handling of flammable and combustible 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
4332	The storage and handling of gases in cylinders

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1596	Storage and handling of LP 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

Australian and New Zealand references are separated by a slash (/).

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

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

Notes that appear in the main text of the Standard are intended to provide information only.

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