AS/NZS ISO 817:2016 ISO 817:2014

## Australian/New Zealand Standard™

# **Refrigerants—Designation and safety** classification





### AS/NZS ISO 817:2016

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME-006, Refrigeration. It was approved on behalf of the Council of Standards Australia on 7 September 2016 and by the New Zealand Standards Approval Board on 28 September 2016.

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The following are represented on Committee ME-006:

Air Conditioning and Refrigeration Equipment Manufacturers Association of Australia Air Conditioning and Refrigeration Wholesalers Association Australian Industry Group Australian Institute of Refrigeration, Air Conditioning and Heating Australian National Retailers Association Australian Refrigeration Council Climate Control Companies Association, New Zealand **Consumer Electronics Suppliers Association** Department of Environment Department of Natural Resources and Mines, Qld Environmental Protection Authority, New Zealand Green Cooling Association Institute of Refrigeration Heating and Air Conditioning Engineers of New Zealand Metropolitan Fire and Emergency Services Board, Vic. Ministry of Business, Innovation and Employment, New Zealand New Zealand Electrotechnical Committee **Refrigerants** Australia Workplace Health and Safety Queensland WorkSafe New Zealand WorkSafe Victoria

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## Australian/New Zealand Standard<sup>™</sup>

## **Refrigerants—Designation and safety** classification

Originated in Australia as AS CB3—1933. Originated in New Zealand as NZS 1653:1962. Previous and first joint edition AS/NZS 1677.1:1998. Jointly revised and redesignated as AS/NZS ISO 817:2016.

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### PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-006 Refrigeration, to supersede AS/NZS 1677.1:1998 *Refrigerating systems*, Part 1: *Refrigerant classification*.

The objective of this Standard is to provide an unambiguous system for assigning designations to refrigerants. It also establishes a system for assigning a safety classification to refrigerants based on toxicity and flammability data.

This Standard does not address the hazards caused by products of combustion or decomposition of refrigerants. These products may include (but are not limited to) hydrogen fluoride. Exposure to these products can be harmful.

Lubricants and associated hazards are also not covered by this Standard. Lubricants can present significant health and environmental hazards.

This Standard is identical with, and has been reproduced from ISO 817:2014, *Refrigerants— Designation and safety classification*. This Standard is to be read in conjunction with the relevant legislation, regulation and national Refrigeration Industry Codes of Practice.

As this Standard is reproduced from an International Standard, the following applies:

- (a) In the source text 'this International Standard' should read 'this Australian/New Zealand Standard'.
- (b) A full point substitutes for a comma when referring to a decimal marker.

None of the normative references in the source document have been adopted as Australian or Australian/New Zealand Standards.

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

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