Australian/New Zealand Standard™

Safety in laboratories

Part 10: Storage of chemicals





AS/NZS 2243.10:2004

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee CH-026, Safety in Laboratories. It was approved on behalf of the Council of Standards Australia on 27 April 2004 and on behalf of the Council of Standards New Zealand on 7 May 2004. It was published on 1 June 2004.

The following are represented on Committee CH-026:

Australian Government Analytical Laboratories
Australian Industry Group
Australian Institute of Occupational Hygienists
CSIRO
Department of Labour, New Zealand
Department of Primary Industries (Victoria)
Ministry of Economic Development, New Zealand
National Association of Testing Authorities, Australia
The New Zealand Chemical Industry Council
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Additional interests participating in the preparation of this Standard:

Fume extraction equipment manufacturing interests Independent consultant health physicist Monash University University of Western Australia

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PREFACE

This Standard was prepared by Joint Standards Australia/Standards New Zealand Committee CH-026, Safety in Laboratories to supersede AS 2243.10—1993.

The objective of this Standard is to provide information on appropriate storage of chemicals and dangerous goods both within laboratories and within dedicated storage areas that are support areas for a laboratory.

This edition has been prepared to take into account several new Standards published on storage and handling of chemicals, to align it with current editions of other referenced documents and to make it appropriate for use in New Zealand.

The major changes in this edition are—

- (a) consolidation of storage area requirements from two types differentiated by capacity to one:
- (b) addition of more specific requirements for storage of chemicals within a laboratory; and
- (c) an increased alignment with and reference to the requirements in other Standards covering storage of chemicals.

Existing storage facilities will, in many instances, not comply with this Standard. In the interests of laboratory safety, a high priority should be allocated to the preparation of a program for upgrading storage facilities to meet the requirements of this Standard. Existing facilities should be assessed for risk and interim control measures implemented, depending on the time frame decided for the upgrading program.

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

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

This publication is Part 10 of a series of Standards prepared to promote safe working in laboratories. The Parts in the series are as follows:

- Part 1: General
- Part 2: Chemical aspects
- Part 3: Microbiological aspects and containment facilities
- Part 4 Ionizing radiations
- Part 5: Non-ionizing radiations—Electromagnetic, sound and ultrasound
- Part 6: Mechanical aspects
- Part 7: Electrical aspects
- Part 8: Fume cupboards
- Part 9: Recirculating fume cabinets
- Part 10: Storage of chemicals (this Part)

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