AS 2243.7—1991

Australian Standard®

# Safety in laboratories

# Part 7: Electrical aspects

This Australian Standard was prepared by Committee CH/26, Safety in Laboratories. It was approved on behalf of the Council of Standards Australia on 26 June 1991 and published on 16 September 1991.

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The following interests are represented on Committee CH/26:

- Australia Government Analytical Laboratories
- Australian Institute of Petroleum
- Australian Nuclear Science and Technology Organisation
- Bureau of Steel Manufacturers
- Chemical Confederation of Australia
- Confederation of Australian Industry
- CISIRO, Division of Energy Technology
- Department of Agricultural Rural Affairs, Vic.
- Department of Defence
- National Association of Testing Authorities, Australia
- Royal Australian Chemical Institute
- University of Melbourne
- Workcover Authority, N.S.W.

Additional interests participating in preparation of Standard:

- Environmental Protection Authority, Vic.
- Monash University
- State Chemistry Laboratory, Vic.

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# PREFACE

This Standard was prepared by the Standards Australia Committee for Safety in Laboratories under the direction of the Chemical Standards Board to supersede AS 2243.7—1980. It is Part 7 of a series of Standards on safety in laboratories initiated to promote safe working practice in laboratories. The other parts of the series are as follows:

Part 1—General
Part 2—Chemical aspects
Part 3—Microbiology
Part 4—Ionizing radiations
Part 5—Non-ionizing radiations
Part 6—Mechanical aspects
Part 8—Fume cupboards
Part 9—Recirculating fume cabinets

Although this Standard does not consider electrical installations during laboratory construction, it is noted that AS 3000—1991 will require residual current device (RCD) protection on all general purpose outlets (GPOs) in domestic installations. It is therefore strongly recommended that RCD protection be provided for GPOs in laboratories.

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