Dup Under Revision See DR 96111

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SUPERSEDED BY: AS/NZS 2243.1:1997

AS 2243.1—1990

Australian Standard®

Safety in laboratories

Part 1: General

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STANDARDS AUSTRALIA

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This Australian Standard was prepared by Committee CH/26, Safety in Laboratories. It was approved on behalf of the Council of Standards Australia on 11 June 1990 and published on 15 October 1990.

The following interests are represented on Committee CH/26:

Australian Government Analytical Laboratories

Australian Institute of Petroleum

National Association of Testing Authorities, Australia

Additional interests participating in preparation of Standard:

Australian Nuclear Science and Technology Organization

Department of Agriculture and Rural Affairs

Prince Henry Hospital

University of Melbourne

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This Standard was issued in draft form for comment as DR 89193.

Dup

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STANDARDS AUSTRALIA

Amendment No 1
to
AS 2243.1—1990
Safety in laboratories
Part 1: General

STANDARDS AUSTRALIA
14 AUG 1991
SYDNEY

REVISED TEXT

The 1990 edition of AS 2243.1 is amended as follows; the amendments should be inserted in the appropriate place.

SUMMARY: This Amendment applies to Clauses 1.4.18, 1.4.19, 2.7 and 3.1.1.

Published on 9 August 1991.

AMDT No 1 AUG 1991

Page 6 New Clauses 1.4.18 and 1.4.19

Add new clauses as follows:

1.4.18 Flammable liquid—a liquid which has a flashpoint below 61 °C. (See AS 1940.)

1.4.19 Laboratory compartment—a fire-isolated compartment in a laboratory, being either the whole laboratory or a subdivision of the laboratory, complying with the limitations given in AS 2982. Laboratory compartments may be of four types according to their flammability hazard rating of high, medium, low, or very low in accordance with AS 2982.

NOTE: A laboratory compartment may be divided into subcompartments, such as workrooms, stores or offices, or may be an open-plan area.

AMDT No 1 AUG 1991

Page 10 Clause 2.7

Delete existing clause and *substitute* the following:

2.7 STORAGE OF HAZARDOUS SUBSTANCES

2.7.1 General Special provisions shall be made for the safe handling and storage of hazardous substances. For information on the design and construction of installations for the storage and handling of flammable and combustible liquids, see AS 1940 and AS 2982. Storage cabinets for flammable liquids shall comply with AS 2982. Additional advice can be obtained from local and state regulatory authorities.

2.7.2 Flammable liquids Flammable liquids shall not be stored in laboratory compartments in amounts exceeding the quantities shown in AS 2982 and AS 1940 or in relevant government regulations.

2.7.3 Change in laboratory functions Before a change is made in the function of a laboratory compartment which involves the storage or use of chemicals, that compartment shall be assessed for its suitability for the new function.

AMDT No 1 AUG 1991

Page 11 Clause 3.1.1(i)

Delete existing Clause 3.1.1(i) and *substitute* the following:

(i) Updating safety procedures when new chemical compounds or methods are introduced, or when the function of the laboratory compartment is changed.

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AS 2243.1—1990

Australian Standard®

Safety in laboratories

Part 1: General

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PREFACE

This Standard was prepared by the Standards Australia Committee on Safety in Laboratories, under the direction of the Chemical Standards Board, to supersede the 1982 edition. This edition includes a major revision to Section 2 in light of the publication of AS 2982, *Laboratory construction*, and to Section 3 to elaborate on the responsibilities for laboratory safety.

The Standard comprises Part 1 of a nine-part series designed to provide basic coverage of all important aspects of the safety function in laboratories. It deals with the general aspects of safety common to all kinds of laboratories and is intended to be used in conjunction with other Parts of the series, which relate to particular aspects of laboratory operations and to particular kinds of hazard. It stresses the importance of preventive measures and sets out the organization of safety techniques, emergency procedures, and first aid.

The other Parts in the series are as follows:

Part 2: Chemical aspects
Part 3: Microbiology
Part 4: Ionizing radiations
Part 5: Non-ionizing radiations
Part 6: Mechanical aspects
Part 7: Electrical aspects
Part 8: Fume cupboards
Part 9: Recirculating fume cabinets

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