



MALAYSIAN STANDARD

MS 1042-2:2009

SAFETY IN LABORATORIES - CODE OF PRACTICE - PART 2: CHEMICAL ASPECTS (FIRST REVISION)

ICS: 71.040.10

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Committee representation

The Industry Standards Committee on Occupational Health and Safety (ISC W) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Business Council for Sustainable Development Malaysia
Chemical Industries Council of Malaysia
Construction Industry Development Board Malaysia
Department of Agriculture
Department of Chemistry, Malaysia
Department of Environment
Department of Occupational Safety and Health
Department of Standards Malaysia
Federation of Malaysian Manufacturers
Jabatan Bomba dan Penyelamat Malaysia
Lloyd's Register Technical Services Sdn Bhd
Malaysia International Chamber of Commerce & Industry
Malaysian Employer Federation
Malaysian Industrial Hygiene Association
Malaysian Nuclear Agency
Malaysian Society of Occupational Safety and Health
Malaysian Trade Union Congress
Minerals and Geoscience Department Malaysia
Ministry of Health Malaysia
Ministry of International Trade and Industry
National Institute of Occupational Safety and Health
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Small and Medium Industries Development Corporation
Suruhanjaya Tenaga
The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia

The Technical Committee on Safety in Laboratories which developed this Malaysian Standard consists of representatives from the following organisation:

Department of Agriculture (Pesticides Board)
Department of Chemistry, Malaysia
Department of Occupational Safety and Health
Institute for Medical Research
Jabatan Bomba dan Penyelamat Malaysia
Malaysian Industrial Hygiene Association
Malaysian Institute of Chemistry
National Institute of Occupational Safety and Health
National Pharmaceutical Control Bureau
SIRIM Berhad (Secretariat)
Sterling Drug (M) Sdn Bhd
Suruhanjaya Tenaga
Universiti Kebangsaan Malaysia

MS 1042-2:2009

FOREWORD

This Malaysian Standard was developed by the Technical Committee on Safety in Laboratories under the authority of the Industry Standards Committee on Occupational Health and Safety.

This Malaysian Standard is the first revision of MS 1042, *Code of practice for safety in laboratories - Part 2: Chemical*.

MS 1042 consists of the followings parts, under the general title, *Safety in laboratories - Code of practice*:

Part 1: General

Part 2: Chemical aspects

Part 3: Microbiological aspects and containment facilities

Part 4: Ionising radiations

Part 5: Non-ionising radiations - Electromagnetic, sound and ultrasound¹

Part 6: Mechanical aspects

Part 7: Fume cupboards¹

Part 8: Recirculating fume cabinet¹

Part 9: Storage of chemicals¹

This standard is designed to promote safety in laboratory operations, and is aimed at specific aspects of safety common to chemical laboratories.

The objective of this standard is to provide information, recommendations and procedures involving the use of chemicals which will promote safe working in laboratories.

The term 'shall' is used in this standard to indicate the requirements that have to be met for compliance with this standard. The term 'should' indicates a recommendation while the term 'may' indicates the existence of an option.

This standard has been completely reformatted to improve clarity and to incorporate changed information on staff responsibilities, laboratory waste storage and disposal, and compressed and liquefied gases.

This standard also makes references to other standard publications and literatures and these are listed in Annex A and Bibliography.

This Malaysian Standard cancels and replaces MS 1042: Part 2:1986.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

¹ Under developments