

Appendix 1 - References and Publications (Laboratory Safety)

Further advice and information to supplement these guidelines can be found in the following documentation.

Legislation

The list below is not exhaustive, and it is highly recommended that you visit the relevant State/Territory WorkCover website.

Jurisdiction	Legislation/Regulation/Codes of Practice
Australian Safety and Compensation Commission	<ul style="list-style-type: none"> • National Standard for the Storage and Handling of Workplace Dangerous Goods [NOHSC:1015(2001)] • National Code of Practice for the Storage and Handling of Dangerous Goods [NOHSC:2017(2001)] • National Model Regulation for the Control of Workplace Hazardous Substances • National Code of Practice for the Control of Workplace Hazardous Substances [NOHSC:2007(1994)] • Guidance Note for the Assessment of Health Risks Arising from Hazardous Substances in the Workplace [NOHSC:3017(1994)] • Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004)] • National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)] • National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012 (1994)]
Commonwealth Government	<ul style="list-style-type: none"> • Road Transport Reform (Dangerous Goods) Act 1995 (Commonwealth) • Road Transport Reform (Dangerous Goods) Regulations 1997 (Commonwealth)
Australian Capital Territory	<ul style="list-style-type: none"> • Work Health and Safety Act and Regulations 2011 Dangerous Substances Act 2004 • Dangerous Substances (Explosives) Regulation 2004 • Dangerous Substances (General) Regulation 2004
New South Wales	<ul style="list-style-type: none"> • Work Health and Safety Act and Regulations 2011 Occupational Health and Safety Amendment (Dangerous Goods) Act 2003 No 38 • Occupational Health and Safety Act 2000 - Occupational Health and Safety Amendment (Dangerous Goods) Regulation 2005 (2005-531) • Control of Workplace Hazardous Substances. • Preparation of Material Safety Data Sheets: Code of Practice (based on NOHSC:2011 (2003)).
Queensland	<ul style="list-style-type: none"> • Work Health and Safety Act and Regulations 2011 Hazardous Substances Code of Practice 2003
Victoria	<ul style="list-style-type: none"> • Occupational Health and Safety Act 2004 Dangerous Goods Act 1985 • Occupational Health and Safety Regulations 2007 • Road Transport (Dangerous Goods) Act 1995 • Dangerous Goods (Storage and Handling) Regulations 2000

Australian Standard 2243 – Safety in Laboratories

This standard comprises ten separate parts part dealing with different aspects of Laboratory safety (see list below).

AS/NZS 2243.1:2005	Safety Signs for the Occupational Environment
AS/NZS 2243.2:2006	Biological Safety Cabinets – Installation and Use
AS/NZS 2243.3:2002	Laser Safety Part 1: Equipment Classifications, Requirements AND User's Guide
AS 2243.4–1998	The Storage and Handling of Mixed Classes of Dangerous Goods in Packages and Intermediate Bulk Containers
AS/NZS 2243.5:2004	The Storage and Handling of Corrosive Substances
AS 2243.6–1990	In-service safety inspection and testing of electrical equipment
AS 2243.7–1991	The Storage and Handling of Flammable and Combustible Liquids
AS/NZS 2243.8:2006	The Storage and Handling of Oxidizing Agents
AS/NZS 2243.9:2003	The storage and handling of hazardous chemical materials - Class 5.2 substances (organic peroxides)
AS/NZS 2243.10:2006	The Storage and Handling of Gases in Cylinders
AS/NZS 2243.9:2003	Pressure Regulators for use with Industrial Gas Cylinders
AS/NZS 2243.10:2004	The Storage and Handling of Toxic Substances

Other Relevant Australian Standards

A number of other Australian Standards have further information on Laboratory safety – some of which are listed below.

AS 1319	Safety Signs for the Occupational Environment
AS/NZS 2647	Biological Safety Cabinets – Installation and Use
AS/NZS 2211.1	Laser Safety Part 1: Equipment Classifications, Requirements and User's Guide
AS/NZS 3838	The Storage and Handling of Mixed Classes of Dangerous Goods in Packages and Intermediate Bulk Containers
AS 3780	The Storage and Handling of Corrosive Substances
AS/NZS 3670:2003	In-service safety inspection and testing of electrical equipment
AS 1940	The Storage and Handling of Flammable and Combustible Liquids
AS 4326	The Storage and Handling of Oxidizing Agents
AS 2714	The storage and handling of hazardous chemical materials - Class 5.2 substances (organic peroxides)
AS 4332	The Storage and Handling of Gases in Cylinders
AS 4267	Pressure Regulators for use with Industrial Gas Cylinders
AS 4452	The Storage and Handling of Toxic Substances

Biological Hazards

- [AQIS](#)
- [AQIS checklist for importing biological materials](#)
- [AQIS guide to importing biological products](#)
- [AQIS in vivo approval](#) for use of imported biologicals
- [AQIS Quarantine Approved Premises](#)
- [AS/NZS 2243.3:\(2002\) – Safety in Laboratories – Microbiological Aspects and containment facilities](#)
- [Gene Technology Act 2000](#)
- [Gene Technology Regulations 2001](#)
- [Handbook on the Regulation of Gene Technology in Australia](#)
- [ICON \(AQIS Import Conditions Database\)](#)
- [National Code of Practice for the Control of Work-related Exposure to Hepatitis and HIV \(Blood-borne\) Viruses \[NOHSC:2010\(2003\)\]](#)
- [OGTR guidelines](#)

- ‘Infection Control in the Health Care Setting’ by ANCA (Australia National Council on Aids)
- NHMRC (National Health and Medical Research Council), ANCA Bulletin No. 16: Needlestick and blood accidents.
- State and Commonwealth Departments of Health

Safety Equipment

- [AS/NZS 2982.1:\(1997\)](#) - *Laboratory design and construction – General Requirements*
- [ANSI Z358.1: Emergency eyewash and shower equipment \(American Standard\)](#)
- [AS/NZS 2243.1:2005](#) - *Safety in laboratories – Planning and operational aspects*
- [AS/NZS 1336: 1997](#) - *Recommended practices for occupational eye protection*
- [AS/NZS 1337:1992](#) - *Eye protectors for industrial applications*
- [AS/NZS 1715:1994](#) - *Selection, use and maintenance of respiratory protection devices*
- [AS/NZS 1716:2003](#) - *Respiratory protective devices*
- [AS/NZS 2161:1-10](#) - *Occupationally protective gloves (parts 1-10)*
- [AS/NZS 1270:2002](#) - *Acoustics – Hearing protectors*
- [AS/NZS 2210:1&2:1994&2000](#) - *Occupational Protective Footwear*

CCH Laboratory Safety Manual, CCH Australia Ltd

This text provides clear safety advice and interprets relevant sections from the Australian Standards and legislation.

Safety Data Sheets (SDS) *The National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011(1994)]* states that manufacturers and importers are responsible for the preparation and provision of SDS. Suppliers of hazardous substances are responsible for provision of the SDS which the manufacturer or importer has prepared. Suppliers are not required to provide a SDS on the first supply to retailers and retail warehouse operators for consumer packages which hold less than 30 kilograms or 30 litres and which are not intended to be opened on their premises.

A retailer or retail warehouse operator does not need to supply SDS to purchasers of hazardous substances where those substances are contained in consumer packages holding less than 30 kilograms or 30 litres, intended for retail sale and which will not be opened on the retailer's or operator's premises.

SDS are used internationally to provide the information required to allow the safe handling of substances at work. Website links include:

- <http://SDSolutions.com/>
- <http://www.SDSonline.com/>
- [Chemical manufacturers and suppliers](#)
- [Pesticides \(herbicides, insecticides etc.\)](#)