HOKLAS Information Notes No. 2
Safety in Laboratories – List of References

1. INTRODUCTION

Although laboratory safety is not included as an element of HOKLAS accreditation criteria, laboratories are recommended to ensure their staff are provided with a safe work environment, fully aware of their obligations in respect of their own safety and the safety of others and informed of any specific safety regulations and requirements relating to their work. Given below for reference are some relevant ordinances and publications on laboratory safety and related areas.

2. RELEVANT ORDINANCES IN HONG KONG

2.1 Dangerous Goods Ordinance (Cap. 295) and related subsidiary legislations
2.2 Factories and Industrial Undertakings (Cap. 59) Ordinance and related subsidiary legislations
2.3 Occupational Safety and Health Ordinance (Cap. 509) and related subsidiary legislations
2.4 Radiation (Cap. 303) Ordinance and related subsidiary legislations

3. LABORATORY SAFETY STANDARDS

3.1 Medical laboratories – Requirements for safety ISO 15190
3.2 OSHA Standard for Occupational Exposures 29 CFR 1910.1450 to Hazardous Chemicals in Laboratories
3.3 Safety in Laboratories AS/NZS 2243
Part 1 : Planning and operational aspects AS/NZS 2243.1
Part 2 : Chemical aspects AS/NZS 2243.2
Part 3 : Microbiological aspects and containment facilities AS/NZS 2243.3
Part 4 : Ionising radiations  
Part 5 : Non-ionisation 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

4. OTHER RELATED STANDARDS

4.1 Acoustic - Hearing protectors  
4.2 Fire blankets  
4.3 Laboratory design and construction - General requirements  
4.4 Laboratory fume cupboards  
4.5 Laminar flow cytotoxic drug safety cabinets  
4.6 Safety of laser producers  
4.7 Maintenance of fire protection systems and equipment  
4.8 Microbiological safety cabinets  
4.9 Occupational protective clothing – General requirements  
4.10 Occupational protective footwear  
4.11 Occupational protective gloves  
4.12 Occupational protective helmets - Selection, care and use  
4.13 Portable fire extinguishers and fire blankets - Selection and location  
4.14 Recommended practices for occupational eye protection  
4.15 Respiratory protective devices  
4.16 Safety requirements for electrical equipment for measurement, control and laboratory use  
4.17 The storage and handling of flammable and combustible liquids  
4.18 The storage and handling of non-flammable cryogenic and refrigerated liquids
5. GUIDEBOOKS FROM LABOUR DEPARTMENT OF HKSAR

5.1 A brief guide to first aid
5.2 A brief guide to the Occupational Safety and Health Ordinance
5.3 A brief guide to the Occupational Safety and Health Regulation
5.4 Code of practice on safety management
5.5 Chemical safety in the workplace – Guidance notes on risk assessment and fundamentals of establishing safety measures
5.6 The protection of workers' health series - Control of toxic substances in the workplace
5.7 Five steps to risk assessment
5.8 Guidance notes on fire safety at workplaces
5.9 Guidance notes on manual handling operations
5.10 Guidance notes on ventilation and maintenance of ventilation systems
5.11 Chemical safety in the workplace – Guidance notes on safe use of flammable liquids
5.12 Chemical safety in the workplace – Guidance notes on personal protective equipment for use and handling of chemicals
5.13 Guidelines for good occupational hygiene practice in a workplace
5.14 Hazards during chemicals in use and safety guidelines
5.15 A health guide on working with display screen equipment
5.16 Occupational health protection programme
5.17 Occupation safety charter
5.18 Safety at Work – A Guide to Personal Protective Equipment
5.19 Health Hazards – Solvents

For more information on publications from Labour Department of HKSAR about occupational safety and occupational health, please refer to the website at http://www.labour.gov.hk/eng/public/index.htm.

6. OTHER PUBLICATIONS

6.2 Fundamentals of laboratory safety : physical hazards in the academic laboratory (W.J. Mahn., Van Nostrand Reinhold, 1991)


6.5 Hazardous and toxic materials : safe handling and disposal (H.H. Fawcett, 2nd., John Wiley & Sons, 1988)

6.6 Hazards in chemical laboratory (S.G. Luxon, 5th ed., Royal Society of Chemistry, 1992)


6.8 Laboratory health and safety guidelines (The Chemical Institute of Canada, 4th edition, 2003)

6.9 Laboratory safety in practice (E.L. Gershey et al., Van Nostrand Reinhold, 1991)


6.11 NIOSH pocket guide to chemical hazards (National Institute for Occupational Safety and Health, 2005)


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