

Useful Links on Laboratory Safety and Management

1. Chemical Safety

- Risk Assessment Form; Science Education Section, EDB
http://cd1.edb.hkedcity.net/cd/science/laboratory/SAFETY/Risk_Assessment_Form.doc
- Chemical Safety in the Workplace - Guidance Notes on Risk Assessment and Fundamentals of Establishing Safety Measures; Labour Department
<http://www.labour.gov.hk/eng/public/os/C/Chemsafe.pdf>
- Occupational Safety and Health Guide - Occupational Safety and Health in Schools; Labour Department
<http://www.labour.gov.hk/eng/public/oh/OHB77.pdf>
- Five Steps to Risk Assessment; Labour Department
<http://www.labour.gov.hk/eng/public/os/D/FiveSteps.pdf>
- Hazards During Chemicals in Use and Safety Guidelines; Labour Department
<http://www.labour.gov.hk/eng/public/os/D/Chemicals.pdf>
- Handbook on Safety in Science Laboratories (2013); EDB
http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/SafetyHandbook2013_English.pdf
http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/SafetyHandbook2013_Chinese.pdf
- Laboratory Safety Inspection Checklist; EDB
http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/checklist_e.doc
- Laboratory Safety Checklist; HSEO, HKUST
<https://hseo.hkust.edu.hk/guidance-health-safety-inspections/lab-safety>
- Safety Audit/Inspection Manual; American Chemical Society
<https://chemistry.osu.edu/sites/chemistry.osu.edu/files/ACS%20Safety%20Audit%20Manual.pdf>

2. Chemical Information Sources

- Material Safety Data Sheets (MSDS); the Faculty Laboratory Centre, the City University of Hong Kong
http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/msds_ss_2000.pdf
- Merck (Sigma Aldrich) MSDS
<https://www.sigmaaldrich.com/HK/en/search>
- International Chemical Safety Cards; ILO
<http://www.ilo.org/dyn/icsc/showcard.home>
- The MSDS Hyperglossary
<http://www.ilpi.com/msds/ref/>
- 中文 MSDS, 中国化工网
<http://cheman.chemnet.com/notices/>

3. Labelling of Chemical
 - 化學品安全標籤軟件
http://www.oshc.org.hk/oshc_data/files/OSHInformation/OSHsoftware/chemical2005.zip
4. Posters
 - Chemical Label; OSHC
http://www.oshc.org.hk/oshc_data/files/posters/2017/P24217.pdf
 - Posters on Laboratory Safety; EDB
<http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/safetyposters.zip>
5. Chemical Compatibility
 - Chemical Compatibility of Materials with Chemical
<https://www.coleparmer.com/Chemical-Resistance>
 - Chemical Compatibility Chart; EH&S, Harvard University
https://www.ehs.harvard.edu/sites/default/files/chemical_waste_chemical_compatibility_chart.pdf
6. Personal Protective Equipment
 - Guidelines for the Use of Personal Protective Equipment; OSHC
http://www.oshc.org.hk/oshc_data/files/HotTopic/CB139E.pdf
 - Chemical Safety in the Workplace - Guidance Notes on Personal Protective Equipment (PPE) for Use and Handling of Chemicals
<http://www.labour.gov.hk/eng/public/os/C/equipment.pdf>
7. Chemical Waste Management
 - Disposal of Chemical Wastes for Schools; EDB
http://cd1.edb.hkedcity.net/cd/science/laboratory/waste/cw_e.htm
 - Compatibility Test for Chemical Waste (Video)
http://cd1.edb.hkedcity.net/cd/science/laboratory/waste/compatibility_test.wmv
 - Disposal of Surplus or Expired Chemicals (Video)
http://cd1.edb.hkedcity.net/cd/science/laboratory/waste/expired_chemicals.wmv
 - A Guide to the Chemical Waste Control Scheme; Packaging, Labelling and Storage of Chemical Waste; A Guide to the Registration of Chemical Waste Producers; EPD
http://www.epd.gov.hk/epd/english/environmentinhk/waste/guide_ref/guide_cwc_list.html
8. Biological Safety
 - Safety Guidelines on Microbiology and Biotechnology Experiments in School Laboratories (2021); EDB
https://cd1.edb.hkedcity.net/cd/science/laboratory/safety/11_SG_E_with_cover.pdf
 - Guidance Notes on Safe Use of Chemical Disinfectants; Labour Department
<http://www.labour.gov.hk/eng/public/os/C/Disinfectants.pdf>

- Biosafety in Microbiological and Biomedical Laboratories (BMBL) 6th Edition; Centers for Disease Control and Prevention, U.S. Department of Health and Human Services
https://www.cdc.gov/labs/pdf/SF_19_308133-A_BMBL6_00-BOOK-WEB-final-3.pdf
 - Biosafety Standards and Guidelines; Public Health Agency of Canada
<https://www.canada.ca/en/public-health/services/canadian-biosafety-standards-guidelines.html>
9. Laser Safety
- Safety Guidelines for Laser Products; EMSD
https://www.emsd.gov.hk/en/other_regulatory_services/laser_safety/publications/safety_guidelines_for_laser_products/index.html
 - Laser Safety Guidance Notes for Industry, Display and Entertainment
https://www.emsd.gov.hk/filemanager/en/content_656/laser_safety_guidance_notes_2005_eng.pdf
 - Laser Safety Management; HKIOEH
<http://www.hkioeh.org.hk/Seminar/Seminar2007/HKIOEH-laser-safety-management-4.pdf>
10. Radiation Safety
- Radiation Health Division, Department of Health, The Government of the HKSAR
<https://www.rhd.gov.hk/en/index.html>
 - Code of Practice for the Management of Low Level Radioactive Waste and Disused Sources
https://www.rhd.gov.hk/en/pdf/Pub5_english.pdf
 - Ionizing Radiation
https://www.rhd.gov.hk/en/pdf/Pub6_english.pdf
 - Code of Practice on the Use of Radioactive Sources of Teaching Purposes in Schools
http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/CodeofPractice_e_9_2012.pdf
 - Application Form for Exemption from Requiring Radioactive Substances Licence (Use of Radioactive Sources for Teaching Purposes in Schools); EDB
<http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/SchoolExemptionApplicationFormv2.pdf>
 - Safety and Health Topics: Ionizing Radiation; Occupational Safety and Health Administration, United States
<http://www.osha.gov/SLTC/radiationionizing/index.html>
 - Radiation Basics, Radionuclides; Environmental Protection Agency, United States
<https://www.epa.gov/radiation/radionuclides>
11. Controlled chemicals
- Controlled chemicals, the Customs and Excise Department
http://www.customs.gov.hk/en/trade_facilitation/chemicals/index.html
 - Control of chemical weapon precursors, Trade and Industry Department
http://www.cwc.tid.gov.hk/english/cwc/over_chemical.html

12. Other

- Laboratory Safety and Management; Science Education Section, EDB
<https://www.edb.gov.hk/en/curriculum-development/kla/science-edu/ref-and-resources/lab-safety-and-management.html>

Science Education Section

Education Bureau

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