

## Useful links on laboratory safety and management

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### 1. Chemical Safety

- Risk Assessment Form; Science Education Section, EDB  
[http://cd1.edb.hkedcity.net/cd/science/laboratory/SAFETY/Risk\\_Assessment\\_Form.doc](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/chemsafe.exe>
- 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 (2002); EDB  
[http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/SHB\\_2002e.pdf](http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/SHB_2002e.pdf)
- Laboratory Safety Inspection Checklist; EDB  
[http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/checklist\\_e.doc](http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/checklist_e.doc)
- Laboratory Safety Checklist; SEPO, HKUST  
[http://www.ab.ust.hk/sepo/check\\_list/Inspection/GenLab%20Safety/labsafety1.htm](http://www.ab.ust.hk/sepo/check_list/Inspection/GenLab%20Safety/labsafety1.htm)
- Controlled Chemicals, Customs and Excise Department, HKSAR  
[http://www.customs.gov.hk/eng/major\\_licence\\_chemicals\\_e.html](http://www.customs.gov.hk/eng/major_licence_chemicals_e.html)
- Safety Audit/Inspection Manual; American Chemical Society  
<http://membership.acs.org/c/ccs/pubs/safety.pdf>
- Consortium of Local Education Authorities for the Provision of Science Services (CLEAPSS)  
<http://www.cleapss.org.uk>
- Texas Safety Standards, Texas Education Agency  
[http://www.utdanacenter.org/sciencetoolkit/safety/texas\\_safety.php](http://www.utdanacenter.org/sciencetoolkit/safety/texas_safety.php)
- Guidebook for Science Safety in Illinois  
[http://www.fayette.k12.il.us/isbe/science/pdf/Safety\\_Guidebook.htm](http://www.fayette.k12.il.us/isbe/science/pdf/Safety_Guidebook.htm)
- The Safety Page, Ohio State University  
<http://www.chemistry.ohio-state.edu/ehs/>
- Safety, Flinn Scientific Inc.  
<http://www.flinnsci.com/Sections/Safety/safety.asp>
- Chemical Safety for Teachers and Their Supervisors, American Chemical Society  
[http://www.sjbocs.org/\\_pdf\\_/sf\\_712safety\\_07.pdf](http://www.sjbocs.org/_pdf_/sf_712safety_07.pdf)
- Safety in Science Teaching, Virginia Department of Education  
<http://www.pen.k12.va.us/VDOE/Instruction/safetymanual.pdf>

- Safety and Environmental Protection Office, HKUST  
<http://www.ab.ust.hk/sepo/>
  - School Chemistry Laboratory Safety Guide, US Consumer Product Safety Commission  
<http://www.cpsc.gov/CPSCPUB/PUBS/NIOSH2007107.pdf>
  - 戰略物品管制網站 – 戰略貿易管制通告  
[http://www.stc.tid.gov.hk/tc\\_chi/circular\\_pub/stc16\\_04.html](http://www.stc.tid.gov.hk/tc_chi/circular_pub/stc16_04.html)
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](http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/msds_ss_2000.pdf)
  - Sigma Aldrich MSDS  
<http://www.sigma-aldrich.com>
  - ChemFinder  
<http://chemfinder.cambridgesoft.com/>
  - Vermont MSDS Collection  
<http://siri.org/msds/>
  - International Chemical Safety Cards; ILO  
<http://www.ilo.org/public/english/protection/safework/cis/products/icsc/dtasht/index.htm>
  - MSDS Search; CCOHS  
<http://ccinfoweb.ccohs.ca/msds/search.html>
  - Chemical and Other Safety Information; the Physical and Theoretical Chemistry Laboratory, Oxford University  
<http://physchem.ox.ac.uk/MSDS/>
  - The MSDS Hyperglossary  
<http://www.ilpi.com/msds/ref/>
  - 中文 MSDS, 中国化工网  
<http://cheman.chemnet.com/notices/>
  - Lists of Agents with Carcinogenic Risks, IARC Monographs Programme on the Evaluation of Carcinogenic Risks to Humans  
<http://monographs.iarc.fr/ENG/Classification/index.php>
  - Agency for Toxic Substances and Diseases Registry – ToxFAQs (a series of summaries about hazardous substances)  
<http://www.atsdr.cdc.gov/toxfaq.html>
3. Labelling of Chemical
- 化學品安全標籤軟件  
<http://www.oshc.org.hk/download/download/4/chemical2005.zip>
  - WebWISER  
<http://webwiser.nlm.nih.gov/>

## Posters

- Label Dangerous Chemical with Care; Labour Department  
<http://www.labour.gov.hk/eng/public/os/E/LabelDangerousChemicalWithCare.pdf>
- Knowing Your Chemical Labelling; OSHC  
<http://www.oshc.org.hk/others/bookshelf/CP658C.pdf>
- Chemical Labelling; OSHC  
<http://www.oshc.org.hk/others/bookshelf/CP638B.pdf>

### 4. Chemical Compatibility

- Chemical Compatibility of Materials with Chemical  
<http://www.coleparmer.com/techinfo/chemcomp.asp>
- Incompatible Chemical List; SEPO, HKUST  
<http://www.ab.ust.hk/sepo/Waste/incomp2.htm>
- Hazardous Chemical Information; SEPO, HKUST  
[http://www.ab.ust.hk/sepo/chem\\_info/index.htm](http://www.ab.ust.hk/sepo/chem_info/index.htm)

### 5. Administrative Control (poster)

- Chemical Fume Cupboard  
<http://www.oshc.org.hk/others/bookshelf/CP634B.pdf>
- MSDS - Material Safety Data Sheet  
<http://www.oshc.org.hk/others/bookshelf/CP635C.pdf>
- Use The Right Personal Protective Equipment  
<http://www.oshc.org.hk/others/bookshelf/CP038B.pdf>
- Safe Transportation of Chemicals  
<http://www.oshc.org.hk/others/bookshelf/CP108C.pdf>

### 6. Personal Protective Equipment

- Guidelines for the Use of Personal Protective Equipment; OSHC  
<http://www.oshc.org.hk/others/bookshelf/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/equipment.exe>

### 7. Chemical Waste Management

- Control of Chemical Wastes in Secondary Schools, EDB Circular No.1/1998B  
<http://www.edb.gov.hk/UtilityManager/circular/upload/SMC/MC98001E.PDF>  
[http://cd1.edb.hkedcity.net/cd/science/laboratory/waste/cw\\_e.htm](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](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](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](http://www.epd.gov.hk/epd/english/environmentinhk/waste/guide_ref/guide_cwc_list.html)
8. Biological Safety
- 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) 5th Edition; Centers for Disease Control and Prevention  
<http://www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm>
  - MSDS for Infectious Substances; Public Health Agency of Canada  
<http://www.phac-aspc.gc.ca/msds-ftss/index.html>
  - Laboratory Biosafety Guidelines, 3rd Edition-2004; Public Health Agency of Canada  
<http://www.phac-aspc.gc.ca/ols-bsl/lbg-ldmbl/index.html>
9. Working with Animals
- Laboratory Animal Handling Technique, Animal and Plant Care Facility, HKUST  
<http://ihome.ust.hk/~webacf/files/Mice/mice-tech.ppt>
10. Laser Safety
- Safety Guidelines for Laser Products; EMSD  
[http://www.emsd.gov.hk/emsd/eng/pps/oa\\_ls\\_pub\\_sglp.shtml](http://www.emsd.gov.hk/emsd/eng/pps/oa_ls_pub_sglp.shtml)
  - Laser Safety Guidance Notes for Industry, Display and Entertainment  
[http://www.emsd.gov.hk/emsd/e\\_download/pps/others/laser\\_safety\\_guidance\\_notes\\_2005\\_eng.pdf](http://www.emsd.gov.hk/emsd/e_download/pps/others/laser_safety_guidance_notes_2005_eng.pdf)
  - Laser Safety Management; HKIOEH  
<http://www.hkioeh.org.hk/Seminar/Seminar2007/HKIOEH-laser-safety-management-4.pdf>
  - Laser Safety; SEPO, HKUST  
<http://www.ab.ust.hk/sepo/training/laser/>
11. Radiation Safety
- Radionuclide Safety Data Sheets  
[http://www.info.gov.hk/dh-rhu/english\\_datasheet.htm](http://www.info.gov.hk/dh-rhu/english_datasheet.htm)
  - Code of Practice for the Handling, Storage Packaging, Transportation and Disposal of Radioactive Wastes; Radiation Health Unit, Department of Health  
[http://www.info.gov.hk/dh-rhu/Pub5\\_english.pdf](http://www.info.gov.hk/dh-rhu/Pub5_english.pdf)
  - Ionizing Radiation  
[http://www.info.gov.hk/dh-rhu/Pub6\\_english.pdf](http://www.info.gov.hk/dh-rhu/Pub6_english.pdf)

- Basic Safety Standards for Protection Against Ionizing Radiation for the Safety of Radiation Sources  
<http://www.info.gov.hk/dh-rhu/BASICSST.pdf>
- Code of Practice on the Use of Radioactive Sources of Teaching Purposes in Schools  
[http://www.info.gov.hk/dh-rhu/teaching\\_guide\\_e.pdf](http://www.info.gov.hk/dh-rhu/teaching_guide_e.pdf)
- Use of Sealed Radioactive Sources for Teaching Purpose in Schools; EDB  
[http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/ra\\_source\\_e.pdf](http://cd1.edb.hkedcity.net/cd/science/laboratory/safety/ra_source_e.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>
- Radiation Event Medical Management; U.S. Department of Health and Human Services  
<http://remm.nlm.gov/>
- What We Know About Radiation; National Institutes of Health  
<http://www.nih.gov/health/chip/od/radiation/>
- Safety and Health Topics: Ionizing Radiation; Occupational Safety and Health Administration  
<http://www.osha.gov/SLTC/radiationionizing/index.html>
- Radiation Information, Radionuclides; Environmental Protection Agency  
<http://www.epa.gov/radiation/radionuclides/index.html>

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