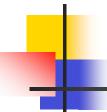




Health & Safety Issues

- Clark Science Center is covered by the OSHA Lab Standard
- Our Chemical Hygiene Plan is incorporated into the Clark Science Center Safety Handbook
- The Safety Handbook is available
 - from faculty as hard copy
 - Via <u>www.science.smith.edu/resources/safety/</u> table_contents.html



Basic Emergency Response

- If an emergency, call 800 and give
 - Your name, location including room #, and the nature of the emergency (Fire, spill, etc.)
 - If a student requires first aid, they should also seek a medical opinion regarding whether they should consult a physician (for cuts, burns, etc.)
 - Take the MSDS if a chemical accident.



Be Prepared...

- Locate the fire extinguisher, safety shower, eyewash, pull box, phone, and nearest building exit to the lab before leaving today.
- Locate them again the next time you're here...



Hazardous Operations

- Use of open flames
- Use of any controlled radiation source
- Handling of any quantity of reactive or acutely toxic material
- Handling of more than 4L or 1 kg flammable or corrosive chemicals
- Work on electrical installations which could pose a shock hazard (DC > 40 volts, AC > 24 volts)

Working Alone and "After Hours" Policies...

- "Working Alone": Defined as when there is no other person within voice contact or in the lab
 - The second person must be aware they are serving as a 'buddy'
- "After Hours" is defined as when the building is locked
 - Summer open hours 8-5, M-F
 - Academic Year Open Hours: 7AM-11PM M-TH; 7AM-10PM F; 8AM-10PM SAT/SUN
- Students doing research are not allowed to perform any hazardous operations when working alone, and may not work alone after hours, or perform hazardous operations after hours, unless supervised by the faculty member

Where to Go for More H&S Info...

- Aldrich (<u>www.sigma-aldrich.com</u>) and Fisher (<u>www.fishersci.com</u>) provide virtually unlimited free MSDS's
 - Need to register/log in but can ignore request for Smith account #
- www.hazard.com has thousands of MSDS's and you don't need to register
- Safe chemical storage (waste or not) is addressed in CSC Safety Handbook-also handouts
- Compressed gas safe practices: www.uwm.edu/Dept/EHSRM/LAB/labgascyl.html

Some Useful URL's for Radiation Safety Information (2004)

http://www.radsafe.pitt.edu/ManualTraining/SectionIII.htm

http://www.ndt-ed.org/EducationResources/CommunityCollege/Radiography/Physics/radiationsafety.htm

http://www.osha-slc.gov/pls/oshaweb/owadisp.show_document?p_table= STANDARDS&p_id=10098



