

WASTE STORAGE AND DISPOSAL
ELLIOTT HALL
September, 2008

Waste Material:

All waste materials must be collected in a form suitable for disposal by the company contracted to dispose of chemical and hazardous waste. The following procedures must be followed.

- Solid waste must be segregated, dried, and stored in a clearly labeled container.
- Aqueous waste must be approximately neutralized and any toxic materials must be precipitated and removed by filtration. After this treatment, the aqueous waste can be flushed into the sewer system with a large quantity of water.
- All organic waste solvents and solutions must be segregated into halogenated and non-halogenated waste and placed in separate, appropriately labeled containers. Small quantities of solid waste may be disposed of by dissolving them in a suitable solvent and disposing of the resulting solution as either halogenated or non-halogenated waste.
- Each laboratory must have one clearly labeled 4 Litre glass bottle for halogenated waste solvents and another clearly labeled 4 Litre glass bottle for non-halogenated waste solvents.
- No storage of waste solvents in excess of 4 Litres of halogenated waste and 4 Litres of non-halogenated waste is permitted in any laboratory.
- Waste solvents are to be stored in metal storage cabinets rather than on benches, floors or in fume hoods.
- When a waste bottle is filled it is to be given to Mrs. Palczynski for disposal. Any solids that form in waste bottles must be disposed of as described above for solids. Waste solvents that are in glass containers are to be transported in a safety carrier.
- All waste solvents must be clearly labeled as either halogenated or non-halogenated. When the material is a single substance (such as chloroform or hexane) it must be identified by its chemical name. Each waste container must be labeled with the name of the course or research laboratory number to indicate the origin of the waste.

Teaching Labs

205/208	K. Palczynski
210/213	C. Scott
302	E. Zamlynnny
305/306	E. Zamlynnny
307/308/310	D. Magri

Research Labs

114	S. McFarland
117	A. Jha
118	J. Banks
126/127	J. Roscoe
204	M. Lukeman
219	M. Lukeman
312	V. Zamlynnny
316	J. Banks
329-331	A. Tong

- When an undergraduate lab is used for research, responsibility for waste disposal rests with the faculty member supervising the research.