

Safety Instruction for Chemistry Laboratory

- All the laboratory apparatus should be handled properly.
- Never use the pipette with the help of mouth.
- While working with chemicals don't deviate from the instructions. One should give attention while mixing chemicals. Don't mix them randomly otherwise it could result in serious consequences.
- No unauthorized experiments are to be performed.
- There are different methods of disposal for different chemicals. All chemicals shouldn't be washed down the drain. You must wash away the chemicals in the sink.
- Never eat or drink anything in lab.
- Don't sniff or taste chemicals. Even sniffing of some hazardous chemicals can harm you.
- Never directly smell the source of any vapour or gas; instead by means of your cupped hand, waft a small sample to your nose. Do not inhale these vapours but take in only enough to detect an odour if one exists. For many chemicals, if you can smell them then you are exposing yourself to a dose that can harm you!
- Wash your hands frequently during lab, and definitely wash your hands twice at the end of the lab, once in the lab itself, and again outside of lab, especially before eating.
- Clean up all broken glassware immediately and dispose of the broken glass properly.
- Beware of hot glass-it looks exactly like cold glass.
- Never pick up broken glassware with your bare hands, regardless of the size of the pieces.
- Never put broken glass in a regular garbage can. A container is provided that is especially for broken glassware.
- Never use reagents from an unmarked bottle.
- If a fire should occur in a beaker or some other container, cover it with a glass dish or other flame-retardant item.
- Never move any object that is burning.
- Never use water to extinguish a chemical fire.
- Learn where the safety and first-aid equipment is located. This includes fire extinguishers, fire blankets, and eye-wash stations.
- Notify the instructor immediately in case of an accident.