

# Laboratory Safety & Hazard Communication Guidelines

## **OSHA Rules**

- No eating, drinking, or smoking in the laboratory
- PPE available and use
- Update chemical inventory to the College Chemical Inventory Spreadsheet(receiving chemicals and returning waste bottles through department CLTs)
- Update MSDS

## **EPA Rules**

- SAA area set up
- SAA weekly inspection record keeping
- No chemicals in the hoods, No chemicals near by the drains, No chemicals dumped into the garbage
- Use Secondary containment for wash bottles
- Labeling all chemical bottles with full name (including water bottles, waste bottles)
- Store Chemicals into groups {Flammables, Reactives, Acids, Bases}
- Electronic equipment should be plugged in to show they are being used or should be labeled properly

## **FDNY Rules**

- Chemical Lab professors and CLTs certify for Fire Fitness Certificate
- Proper signage on entrance doors (post “Poison Gas” or “Flemmable Gas” when using those gases)
- Non explosive proof refrigerators should be labeled as “Store No Flammables Flashing Below 100F”
- Follow Maximum Laboratory Unit (Type 4) Storage Limits (Flammable Liquids 15gls, Flammable Solids 3lbs, Oxidizing Materials 20lbs, Unstable Reactive 2bls)
- Oxidizing agents should be stored in separate area or shelf away from flammable chemicals
- Compress gas cylinders must be hydrostatically tested within 10 years
- Compressed gas cylinders must be secured in upright position and capped if not in use