

Chemical Storage and Disposal Procedures

*At the Microelectronics Research
Center at Georgia Tech*

Chemical Storage Room

Chemicals Stored in the Cleanroom Storage Room:

- Bases
- Photoresists
- Developers
- Solvents

ACIDS ARE STORED ONLY IN ACID CABINETS IN THE CLEANROOM.

Chemical Storage Room

- **Bases and solvents are stored in these cabinets.**



Chemical Storage Room

- **Photoresists and other temperature sensitive chemicals are stored in refrigerators**



Labeling-Rules

Material Safety and Data Sheets (MSDS) **must be available online for all chemicals**

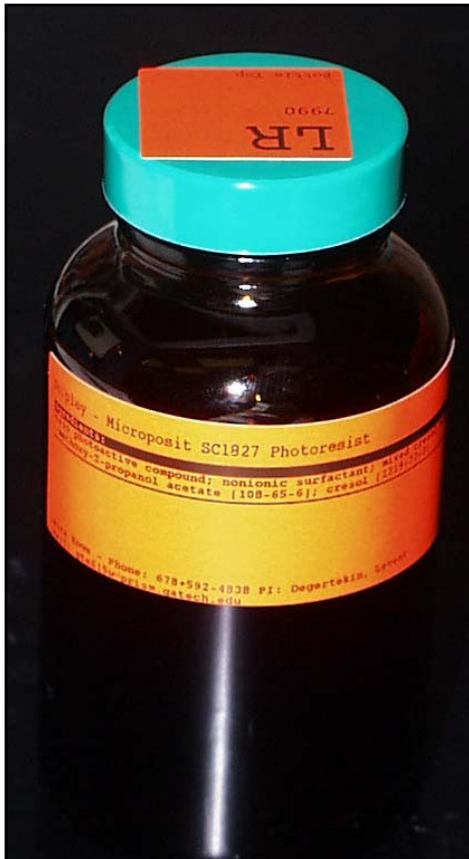
>>>> http://grover.mirc.gatech.edu/data/chem_main

MSDS Sheets for new Chemicals **must be submitted to the staff** to add to the database

Note: Staff accepts only electronic copies of MSDS Sheets

Labeling-Rules

- Chemicals stored in the cleanroom **must be labeled using the official cleanroom label**



Labeling- Procedures

- **Label printer in located in the second bay to the left. (PECVD/ RIE Bay).**
- **Labels can be printed from the MiRC web site.**
- **The color of the labels are changed every quarter.**



Acids

- There are acid cabinets in every bay.
- MiRC provides certain acids and they are stored in these cabinets.



ACIDS PROVIDED:

- Hydrochloric Acid
- Acetic Acid
- Nitric Acid
- Sulfuric Acid
- Hydrofluoric Acid
- Phosphoric Acid

Disposing Chemicals

- **Solvent, photoresist, developer and polymer waste is emptied out in Nalgene containers present on the fume hoods.**
- **Solutions and etches with heavy metals must stored and given to the staff.**
- **Regular acids and bases can be diluted using city water and poured down the drain.**

