Acid Wet Bench 1 – FabLab

ID: etch-1                    Location: FabLab Etch Tunnel

Working with wet chemicals can be hazardous if you don’t follow the proper procedures at all times. Violating procedure risks not only your health but also the health and safety of other users and may result in loss of access to FabLab for an extended period of time.

DO:
- Read and understand the Materials Safety Data Sheets (MSDS) for all of the chemicals you will be using. Copies are in a binder in the Change Room or you can find them online at http://www.msdssearch.com/find.htm or from the vendor.
- Wear appropriate personal protective equipment at all times, including double gloves, lab coat, booties and safety glasses.
- Wear an apron and a face shield when pouring acids from 1 gallon size containers. Replace gallon containers in storage area below wet bench. Please inform FabLab staff when acids are running low.
- Always add acid last when making up a solution with water. Adding water to acid may result in an exothermic reaction that can spray acid all over you and the inside of the wet bench.
- Keep the sash at or below the marks on the side of the bench.
- You must remain in the lab when heating any acids on one of the hot plates.
- Long-term storage of solutions in beakers may be left in the back of the wet bench only with the prior approval of FabLab staff. All containers must be labeled with a description of the contents (i.e. 10% HF/H2O), a date, name of the owner and a phone number/email address.
- Flush acids down the sink when done. Wipe off the bench top with a damp wipe when finished. Properly clean all glass/quartzware.
- Rinse outer gloves in glove wash before removing and properly disposing of them when finished.

DO NOT:
- Put you head inside of the wet bench.
- Sit down in front of the wet bench.
- Fail to use personal protective equipment.
- Walk away from the wet bench without cleaning up your mess.
- Leave the lab when using the hot plate
- Leave unlabeled containers in the wet bench
- Under any circumstances, do not use caustics (bases) or solvents in this bench
- Have more than 2 people working in this bench at the same time.