

SAFETY PRECAUTIONS:

NEVER touch an unmarked bottle.

When working with acids, ALWAYS wear a face mask and gloves. Cover ALL exposed body parts for protection.

When working with volatile substances, ALWAYS wear a gas mask designed to filter acid vapors and organic vapors.

When diluting acids, ALWAYS pour acid into water SLOWLY.

Acid Disposal: First, dilute acid by pouring the acid slowly into a beaker of water. Turn on faucet in sink, then pour diluted acid into sink with running water. Continue to wash down with water.

Before disposing of acid, make sure it has cooled. Never take heated acid directly from the hotplate for disposal.

After every perchloric acid dissolution, wash down the cabinet with water.

Never store perchloric and organics side by side.

Trash disposal:

Trash must be DOUBLE-BAGGED. Never put any acid-drenched paper or rags into trash bags (especially, rags with HF). Never put glass in trashbags. Think about the custodian who will have to take your trash away but has no idea what is in it. You know what you put in it, but nobody else does.

When disposing of ion exchange resins, there are two options. Fold ion exchange resins into a piece of paper and throw into trash. Or, pour directly into drain with running water. NEVER let ion exchange resins dry and sit around in the sink. The particles can be easily carried by wind into the air, potentially contaminating the lab.

Do not touch anything that is not yours.

All acids must be stored in LOWER cabinets. This is to prevent spills from happening.