



Chemical Waste Disposal

(Ref. SOP LAB-040)

Place all waste in plastic drums. For any flammable waste that has not already been diluted, dilute before placing into appropriate waste drums.

Waste Disposal Container	Type Of Waste
Halogenated	All Halogenated waste (organic and inorganic), e.g. Chloroform, Dichloromethane, Iodine, Bromine, etc.
Acetonitrile & Cyanide waste	Acetonitrile and other Cyanides, e.g. Potassium Ferricyanide Solution and other TLC sprays, etc.
Pyridine waste	Pyridine NB. Please rinse glassware with dilute acid, and then throw washings into Waste bottle too.
Diethyl Ether waste	Evaporate Diethyl Ether waste by placing in Fume cupboard. NB. Never light any flames and always place sign "No Flames" to warn others of presence of Ether.
Other Organic waste	Alcohols, Petroleum Ether, Toluene, etc. <u>No Pyridine or Diethyl Ether.</u>
Heavy Metal waste	Silver, Lead, Cadmium, Vanadium, Iron, Titanium, Palladium, Chromium, Zinc, etc.
Oxidising agents	Type A – Permanganates (<u>no Dichromates</u> to be stored in this drum) Type B - Peroxides Type C - Chromic acid Each type is to be placed into a SEPARATE Waste Drum.
Thio and Sulphide Inorganic waste	Hydrogen Sulphide, Thioacetamide, etc. NB. For H₂S waste: Please rinse glassware with dilute Sodium Hydroxide, then throw washing into the Waste bottle too.
Other Inorganic waste	Test Solutions
Mercury waste	Mercury only
Sink	Dilute acids and bases, Buffers, Salts, Colour Solutions (Dyes), Standards (1-10ppm), etc.
Poisonous Substances	Dichromates and Arsenic compounds (<u>not</u> compatible with Permanganates).