

DOWN THE DRAIN? 9/11

NO

Aldehydes eg: formaldehyde, PFA, formalin, gluteraldehyde

Flammable liquids and solvents, alcohols (eg: ethanol, methanol, TEMED) flashpoint less than 140F. For alcohols this is about < 20%. (Not allowed to dilute to < 20% and then drain dispose.)

Acids or bases pH <5.5 or >9.5 (Can neutralize to within this pH range and then drain dispose)

Tissue culture fluids (unbleached)

Animal tissues

Odorous solutions eg: 2-mercaptoethanol

Toxics, mutagens, teratogens, carcinogens, heavy metals eg: ethidium bromide, acridine orange, propidium iodide, phenol, chromium, copper, cyanide, iron, lead, manganese, mercury, nickel, silver, zinc, osmium tetroxide, sodium azide, chloroform, arsenic, barbiturates, ether

Oxidizers eg: hydrogen peroxide, ammonium persulfate (>24%)

Stains with hazardous components

Uncontaminated used oil (eg: vacuum pump oil) must be recycled and must be labeled with the identifying words "Used Oil". Cornell's Grounds Department manages the [Used Oil Recycling Program](#).

YES

Enzymes, sugars, amino acids, citric and lactic acids, PBS, TBS, TAE, Laemmli buffer, transfer buffer, unused culture media, genomic DNA (not recombinant), stains without hazardous components, deactivated ethidium bromide

If you don't know, ask your supervisor, Gail Sullivan, gms9, OR

Ask EH&S Helpline at <http://www.ehs.cornell.edu/askEHS>

EH&S Hazardous Waste Manual is available at:

<http://sp.ehs.cornell.edu/lab-research-safety/chemical-safety/hazardous-waste-manual/Pages/default.aspx>

Steps for chemical waste disposal can be found at:

<http://sp.ehs.cornell.edu/lab-research-safety/chemical-safety/hazardous-waste-manual/Documents/wasteremovalsteps-1.pdf>