

**Good Science =
Safe Science**

Oct. 12, 2020

Waste Disposal web-page

[Click Here](#)

Labels to download and use

[DEHS Hazardous Waste 4L labels.](#)

For questions or assistance
please contact DEHS at 852-
6670 or email

dehsubm@louisville.edu.

The 4 L's of Chemical Hazardous Waste Management

Lid

All waste containers must have a securely fitting lid and must be kept **CLOSED** except when adding or removing waste.

For lid on chemical waste container attached to HPLC unit, DEHS recommends a lid with pre-drilled hole(s). If the collection container lid has no hole, drill small hole(s) through the container lid – just large enough to convey the tubing.



Label

Each chemical waste container must be clearly labeled; “Hazardous Waste”. Include all chemical constituents, even trace, and must include word(s) or pictogram(s) that convey the hazard of the chemical waste.



- All chemical constituents must be compatible
- Include any chemical contaminant(s) that could have entered the process.
- Example: Waste hydrochloric acid & nitric acid solution used as a cleaner for metal substrates-- trace contaminants picked up could include chromium, silver, and nickel. *(See label example)*
- Words to describe hazards include toxic, flammable, corrosive, oxidizer, water-reactive, carcinogen, etc.

Location & Limit

Chemical waste must be at or near the point of process generating waste **(i.e. same room)**.

The amount of chemical waste accumulated/stored in a lab must be less than 50 gals (200 L) or 400 lbs (180 kg) of non-acute hazardous waste or 1 quart or 1 kg of highly toxic (EPA P-Listed) hazardous waste.