

Hazardous Waste Generator (AL-073) References and Resources

Containers

Containers must be compatible with the contents. Specific cases of incompatibility include hydrofluoric (HF) acid and oxidizing acids. HF should always be stored in a Nalgene or plastic container. HF will etch glass. Oxidizing acids (nitric acid, sulfuric acid, perchloric acid) should always be placed in glass since over time the acids will cause Nalgene or plastic to become brittle. Containers of **liquid wastes are required to be in secondary containment.**

Labels

Completely fill out Hazardous Waste labels. **Do Not** use chemical formulas! Labels are available from ESH&A G40 TASF for waste generated in Ames Lab buildings and in Chem Stores (1400 Gilman) for waste generated in ISU buildings.

Satellite Accumulation Areas (SAAs)

Satellite Accumulation Areas are temporary storage locations (i.e. flammable cabinet or cabinet under a fume hood) for your waste. SAAs must be in the same lab where waste is generated. **Never move waste between buildings.** Waste containers in a SAA must be closed at all times and properly labeled. Liquid waste must be in secondary containment. Waste containers must be under the control of the generator who placed the waste in the container. Hazardous waste may be accumulated for a period of **90 days**, starting with the first addition to the container. After 90 days or when the container is full, the generator shall request a pick-up.

For waste generated in **Ames Laboratory** buildings go to <https://webapps.ameslab.gov/IndexApp/>.

For waste generated in **ISU** buildings go to <http://www.ehs.iastate.edu/cms/default.asp?action=article&ID=368>.

Nanomaterial Waste

Waste that contains engineered unbound nanoparticles (1-100 nanometers). Use the same protocols for hazardous waste when storing and labeling nanomaterial waste. Also, add "contains nanoparticles" to the label.

References:

- **Waste Management Program Manual:** <https://www.ameslab.gov/manuals/waste-management-program-manual>
- **Waste Minimization/Pollution Prevention Plan:** <http://www.ameslab.gov/operations/eshaplans/waste-minimizationpollution-prevention-plan>
- **ISU Laboratory Safety Manual:** www.ehs.iastate.edu/publications/manuals/labsm.pdf
- **Ames Lab Chemical Database:** <https://webapps.ameslab.gov/IndexApp/>
- **ISU EH&S Chemical Redistribution Database:** www.ehs.iastate.edu/cms/default.asp
- **P-Listed (acute) Hazardous waste:** <https://www.ameslab.gov/documents/misc/p-listed-acute-hazardous-waste>
- **Hazardous Waste Acceptance and Pick-Up Guide:** <https://www.ameslab.gov/guides/hazardous-waste-acceptance-and-pick-up-guide>

If you have any questions please contact your local safety office:

Ames Laboratory 294-2153 or ISU EH&S 294-5359.

This handout is available online at <https://www.ameslab.gov/content/hazardous-waste-generator-al-073-references-and-resources>

