



# Education & Outreach Moment

NSF PHASE I CENTER FOR ADAPTING FLAWS INTO FEATURES

[NSFCAFF.ORG](http://NSFCAFF.ORG)





# Chemical Disposal

- Used/unwanted chemicals:
  - A chemical in its original container
  - By-products, mixtures, or solvents
  - Items contaminated with chemicals
- Type of waste?
  - Recycle or redistribute unused chemicals when possible
  - Definition and classification of hazardous waste (e.g., ignitability, corrosivity, reactivity, toxicity)
  - Non-hazardous waste can sometimes be placed in a dumpster or into the sewer
  - Universal waste (e.g., batteries, bulbs)

# Chemical Disposal



- Categorize (Disposal Guidance):
  - Pick-up by your institution's Environmental Health & Safety department
  - Sanitary sewer
  - Segregate & trash
  - Regular trash
- Collect & Label:
  - Properly label any container
  - Avoid mixing incompatible chemicals
  - Spent chemical products should be collected separately
- Store:
  - Not recommended to leave any chemical container on the floor
  - Use secondary container
  - Waste container should remain closed
  - Hazardous waste must be stored in a Satellite Accumulation Area (SAA)

Unwanted Chemicals	%
Phenol	10
Chloroform	20
Pyridine	25
Tetrahydrofuran	40
Dimethylformamide	5



<https://ehs.wisc.edu/disposal-services/chemical-disposal/>  
<https://www.epa.gov/hw>