

Universal Wastes-2022

Types of Universal Wastes

Batteries:

- Sort by battery type and store/package separately.
- Terminals on all batteries except AA, AAA, C and D size alkaline batteries, must be taped using non-fabric and/or other water-resistant tapes.
- Store in plastic, sealable containers.
- Clearly mark containers "Universal Waste-Batteries" & the type of battery it contains.
- Date container with month & year storage BEGAN.
- All USA facilities/departments should recycle their own large lead-acid batteries .

Lamps/Bulbs:

- Store 4 ft. lamps in fiberboard boxes provided by SEC department or the boxes in which the 6 & 8 ft. lamps were received in/
- Store each bulb type separately.
- Pack tightly to avoid breakage of lamps (decrease exposure and disposal cost).
- Place broken lamps in separately sealed container and label "Universal Waste-Broken Lamps".
- DO NOT tape lamps together
- Tape boxes shut when filled .
- Clearly label boxes and boxes "Universal Waste-Lamps".
- Store boxes on a pallet, no more 4 boxes wide and 5 boxes high. Pallets must be stretched wrapped to prevent shifting during shipment.
- Do Not mix different classes of lamps.
- Recycle green ti

DO NOT Throw Trash into the Boxes or Containers as the University is charged for the trash!

To Schedule a Pick-up of Universal Wastes Call Safety & Environmental Compliance (SEC) at 251-460-7070

Ballast (PCB & Non-PCB):

- Collect in 55-gallon open head metal drums provided by SEC .
- Label collection containers "PCB-containing ballast" or "Non-PCB containing ballast" with month and year storage BEGAN with a "Universal Waste" label.
- Do not crush ballast (Wrap leaking ballasts in double poly bags and containerize separately from non-leaking ballasts).
- Place Pole Ballasts (Transformers) in drum and fill only 2/3 full due to weight. Notify SEC if storing pole ballasts.
- Drums must be on a pallet and stretched wrapped to prevent shifting during shipment.
- Currently, ballasts marked "Electronic" are not collected for recycling.

Computer Monitors/Television Components:

- Remove power cords, cables and mouse prior to packing for recycling (these are safe for regular trash disposal).
- Clearly mark "Universal Waste-Computer Monitors/Television Components". .
- At this time, computer monitors, keyboards, and other e-scrap are either sold by USA Property or picked up for recycling by a local vendor. Call SEC department if (6-7070) if a disposal pick up is needed/

Metallic mercury and mercury-containing devices:

- Avoid breakage to avoid mercury contamination.
 - * Major Spills: Mercury is no longer contained within the instrument- Secure the area and contact SEC
 - * Minor Spill: Mercury remains contained within the instrument - Place the instrument within a sealable, plastic bag or bottle and call SEC for pick up
- Store in Structurally sound, sealable plastic container, labeled "Universal Waste-used Mercury containing devices", with month and year storage BEGAN.
- Manage as lab-pack waste, on a case-by-case basis...Call SEC for pick up.

Legal Requirements

Accumulation Time: *By law, All* USA campuses must ship collected universal wastes **at minimum once a year.**

Storage:

- Secure area, protected from rain to prevent damage to storage containers.
- Must be labeled "Caution-Universal Waste Storage Area".
- Must be able to demonstrate the length of time the waste has been accumulating.
- Label each container with accumulation start date (satisfies requirement of demonstrating length of time waste has been accumulating).
- Stage materials in an area that allows easy access for an 18-wheel truck and is protected from the elements.
- Have a designated person(s) from your facility available at the storage site at the time of the pick up to assist in loading the truck and material access.
- Provide necessary moving equipment (forklift, pallet jack, drum dolly, etc.) if needed.
- Shipments will be scheduled, when possible, during normal working hours and SEC will give 24-hr notice as to actual time and date of shipment. SEC representative will be available to sign all required paperwork. (The company allows 30 minutes loading time at each pickup stop, as part of the cost of the shipment. >30 minutes → additional fees.
- Copies of paperwork sent from the SEC department pertaining to the shipment must be kept on site for a minimum of 3 years for review by inspectors.

Individual USA facilities responsibilities:

- Provide accurate count of all types of universal waste to be shipped in a timely manner.
- Ensure that all packing requirements have been met (If DOT requirements are not met, transporter can refuse the entire shipment!).

Chemical Wastes

Legal Requirements

Accumulation Time: *By law, All chemical waste must be removed for disposal within 365 days of the time of beginning waste col-*

Storage, Handling & Disposal

- Drums/Containers containing chemical wastes **must** be protected from the weather
- **No** chemicals should be disposed of in sanitary/storm sewers unless approved by Safety & Environmental Compliance.
- Do not mix waste streams, e.g. oils must not be mixed with other chemical wastes; different types of oils may be mixed in the same drum; solvents should only be stored with solvents, etc.
- Paints must be poured up in a closed-head drum for disposal.
- Drums/Containers must be labeled properly, i.e. should have the correct Chemical Waste label completely filled out. (Orange tag provided by SEC). **Hazards associated with material must be circled on orange tag.**
- Do Not put solids in liquid chemical waste containers, i.e. no rags, debris, plastic bottles, metals, etc.
- Drums/Containers that previously contained chemicals should be as empty as possible before disposal.

Guidelines for Protection from Chemical Exposure or Release into the Environment:

- Wear appropriate PPE to protect yourself from exposure to chemical wastes, i.e. gloves, eye protection, etc. Dispose of used PPE appropriately and *always* wash your hands after removing PPE.
- If you are working in an area where there is a potential for exposure you should never:
 - Eat
 - Drink
 - Smoke

- Apply cosmetics
- Handle contact lens

Chemical Exposure Emergency Procedures:

- Flush eyes (including eyelids) with tepid water for a minimum of 15 minutes.
- Remove contaminated clothing immediately and wash exposed skin with water for a minimum of 15 minutes.
- Move someone who has inhaled a hazardous substance to fresh air.
- If the hazard was swallowed, get immediate medical attention and follow the SDS or label instructions.

If someone is exposed to a hazardous chemical ,get medical help ASAP. Until help arrives, follow the first aid information on the SDS. If a copy of the SDS is available, send with victim upon transport.

Chemical Spills:

WHEN A SPILL OCCURS:

1. Evaluate the risks that may human health, the environment and property. **ALWAYS PUT SAFETY FIRST.** If possible, identify the spilled material and determine how much was spilled.
2. Select Personal Protective Equipment...consult SDS...better to over protect than under protect.
3. Confine the Spill-Speed Counts! Limit the spill area by blocking, diverting or confining the spill. Use absorbents to stop the flow of a liquid before it has a chance to enter a drain or sewer system.
4. Stop the source. e.g. turn the container upright, turn off a valve, etc. Transfer any remaining liquid from the damaged container to an undamaged container.
5. Spills are commonly absorbed using absorbents. Carefully, spread the **appropriate** absorbent around and onto the spill area. Once the absorbent has been used, it may be considered hazardous waste and must be disposed of properly.
6. Decontaminate the site, personnel & equipment by removing & neutralizing any hazardous materials that might have accumulated at the time of the spill.
7. Complete all required notifications and paperwork at the end of the incident.

To Schedule a Pick-up of Hazardous Chemical Wastes—Call Safety & Environmental Compliance (SEC) at 251-460-7070

Label for Drums of
Hazardous Waste

Lab Safety Supply Inc., Janesville WI 53547-1368 Reorder No. 433

USED OIL

GENERATOR INFORMATION

COMPANY _____

ADDRESS _____

CITY, STATE, ZIP _____

SOURCE _____

CONTACT _____

Lab Safety Supply Inc. Reorder No. 3119

Label for Drums of **Used Oil**

USA Provided
Labels for Small
Chemical Waste
Containers

Chemical Waste

Date: _____

Contents: _____

Hazard: (circle)
Toxic _____ Flammable _____
Corrosive _____ Reactive _____

Precautions: _____

Contact: _____

Department: _____

Phone: _____

For waste pick-up or in the event of a spill, contact Safety and Environmental Compliance at 6-7070.

UNIVERSAL WASTE

CONTENTS _____

ACCUMULATION START DATE _____

SHIPPER _____

ADDRESS _____

CITY, STATE, ZIP _____

Lab Safety Supply Inc. Reorder No. 4210

**Label for Batteries, Bulbs,
Computer Scraps, Ballasts,
Televisions, & Mercury
Containing Equipment
(not thermometers)**