



Mercury Containing Lamp Handling, Storage and Disposal Procedure

Applicability:

Mercury Containing Lamps:

- Fluorescent (silver end and green end)
- High Pressure Sodium
- Mercury Vapor
- Metal Halide
- Neon
- High Intensity Discharge (HID)

Intact Lamps:

Intact mercury-containing lamps are a Universal Waste and are subject to Universal Waste Rules per 6NYCRR subpart 374.3.

Broken Lamps:

Broken mercury-containing lamps are a Hazardous Waste and are subject to Hazardous Waste Rules per 6NYCRR parts 370 – 374 and 376.

Handling:

- Wear proper Personal Protective Equipment (i.e. minimum: safety glasses/goggles, and gloves).
- Do not intentionally break lamps.
- VENTILATE THE AREA IMMEDIATELY FOR 5-10 MINUTES IF A LAMP BREAKS TO PREVENT EXPOSURE TO MERCURY VAPOR.

Storage & Disposal:

Intact Lamps:

- Store intact lamps in boxes designed for storing lamps (i.e., save the boxes the new lamps came in for storage of used lamps.) If boxes are not available, contact Environmental Health & Safety (EH&S) at 777-2211.
- Pack all intact lamps into the designated boxes carefully to prevent breakage. All boxes are to be closed at all times except when filling boxes. Once boxes are filled to capacity, the box is to be secured and sealed with tape then labeled as Universal Waste.
- Label each box with the following label:

<p style="text-align: center;">UNIVERSAL WASTE LAMPS</p> <p>Building# _____</p> <p>Room# _____</p> <p>Start Date: _____</p> <p>Initials: _____</p> <p style="text-align: center;">Do NOT put broken lamps in this box. Tape box securely closed when full.</p>

- Fill in the “Start Date” when the first lamp is placed in the box.
- Store full boxes of lamps in room BG02 of the Academic A building.

Broken Lamps:

***MERCURY CONTAINING LAMPS CANNOT BE DISPOSED OF IN THE
NORMAL TRASH***

- All broken lamps must be completely cleaned up.
- Do not store broken lamps with intact lamps.
- Place broken lamps and debris in the designated container (5-gallon bucket, poly drum, etc.)
- Keep the container closed when not adding waste to it.
- Label the drum with the following:

1. Hazardous Waste Label



HAZARDOUS CHEMICAL WASTE TAG (see directions on reverse side) TAG No: 3738

Print Your Name: Smart Scientist Building and Room Number: 5?-222 Phone: 7-6935

Total Amount in Container: 3 L Container Size: 4 L Generation Code: F

COMPLETE CHEMICAL COMPOSITION: (List approximate % of each constituent including water/solvent)

1. <u>Ethanol</u>	<u>25</u>	%	5. _____	%
2. <u>Hydrochloric Acid</u>	<u>25</u>	%	6. _____	%
3. <u>Water</u>	<u>50</u>	%	7. _____	%
4. _____	_____	%	8. _____	%

Check if applicable:
 Flammable?
 Corrosive? pH 2
 Oxidizer?
 Highly Toxic?
 Reactive/Explosive?
 Stench?

I certify this information is true and that I have done my best to reduce the volume and toxicity of this waste.

Sign Name: Smart Scientist Date: 4/10/01

2. When the drum is full, submit a Hazardous Waste Pickup Request through the EH&S web form (<https://www.binghamton.edu/offices/environmental-health-safety/hazardous-waste/waste-pickup.html>) or by email at hazwaste@binghamton.edu. Please be sure to indicate the *Building, Room Number where the waste is stored, Description/Quantity of Waste, and appropriate contact information.*
3. Label the drums with a completed Hazardous Chemical Waste Tag to indicate contents within the barrel prior to pick up. Contact EH&S if you are in need of waste tags. An example of how to complete a waste tag can be found on the EH&S website listed above.
4. Do not accumulate full drums of broken lamps. Never accumulate more than 55 gallons of broken lamps.