



The Lab Rat NEWS

November 2014

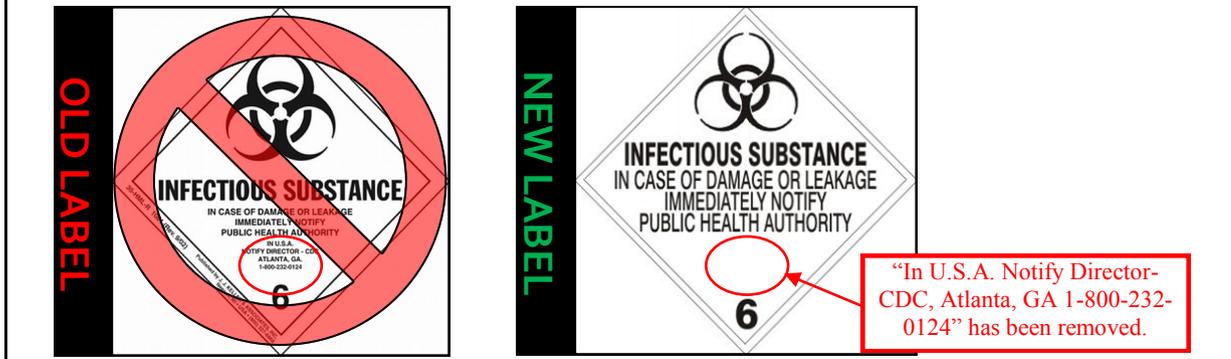
HAZARDOUS MATERIALS SHIPPING LABEL CHANGES

Per DOT regulations, the Class 6 Infectious Substance label and the Class 9 Miscellaneous Hazard label have been updated. Effective **October 1, 2014**, commercial carriers have switched to new labels. Only trained personnel are permitted to ship hazardous materials, including dry ice.

CLASS 6 INFECTIOUS SUBSTANCE LABEL

For Class 6 Infectious Substance labels, the text “In U.S.A. Notify Director-CDC, Atlanta, GA 1-800-232-0124” has been removed (see old label). The old label is no longer accepted, and the new Class 6 Infectious Substance label must be affixed to packages that contain Category A infectious substances.

Refer to the hazardous material shipping training manual for the additional required markings for Category A infectious substances. If you are using dry ice, you must use the new Class 9 Miscellaneous Hazard label.



DRY ICE “CLASS 9 MISCELLANEOUS HAZARD” LABEL

For Class 9 Miscellaneous Hazard labels, the horizontal line connecting the vertical black bars has been removed (see old label). Both the new and old label are currently accepted, but the old label will no longer be manufactured. The Class 9 Miscellaneous Hazard label must be affixed to packages that use dry ice as a coolant or refrigerant for shipping of hazardous material packages by air, water, or ground (FedEx, UPS, DHL) transport. The US Postal Service will NOT transport dry ice.

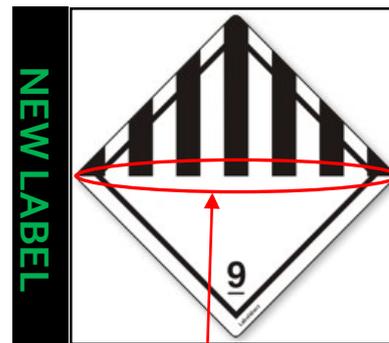
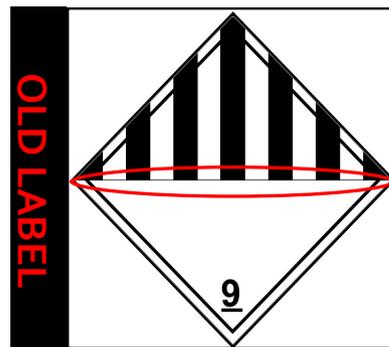
In addition, the package must contain the following markings:

1. Class 9 Miscellaneous Hazard Label.
2. Proper shipping name and UN ID Number: “Carbon dioxide, solid” or “Dry ice” and UN1845.
3. Net quantity of dry ice.

DOT also requires the font size of the UN marking to be a specific size based on the quantity of dry ice in the package. The table below will help you select the correct font size for your dry ice quantity:

Dry Ice Quantity	“UN1845” font size
>30kg (66lbs)	12mm type face or larger
5kg (11 lbs) to 30 kg (66 lbs)	6mm type face or larger
<5kg (11 lbs)	Be of adequate size

Note: If using a dry ice label with a preprinted UN number, the UN number must be also handwritten.



No horizontal line connecting the vertical black bars.

Training

Most of EHSO’s Trainings are available online:

ehso.emory.edu.

Rad Safety Training

2nd Tuesdays at 10:00am (monthly).

Lab Safety Training

3rd Thursdays at 10:00am (monthly).

Chemical/ Radioactive Waste

[Full Schedule here...](#)

All **chemical** waste pick up should be requested by emailing

chemwaste@emory.edu.

All **radioactive** waste pick up should be requested via EHS Assist pick-up.

Chemical waste disposal inventory form and/or **radioactive** waste inventory form should accompany all waste containers at the time of pick-up.

PPE

Choice to be based on potential exposures involved:

Eye: Glasses, goggles & face shields.

Gloves: Appropriate for the type of procedure.

Clothing: Gowns, lab coats, aprons, coveralls.

Respirators: Appropriate for the type of procedure.

EPA AND GEORGIA EPD INSPECTIONS

Hazardous materials that result from laboratory operations must be managed safely and in compliance with State of Georgia rules and regulations. EHSO has recently been notified that the Environmental Protection Agency (EPA) and Georgia Environmental Protection Division (GA EPD) are conducting **unannounced** inspections of universities and other entities in our area to ensure compliance with laboratory waste management of hazardous materials (biohazard, chemical, radioactive).

A guideline is provided below for possible items that may be reviewed during the inspection, but **MAY NOT BE** limited to these items:

1. Regarding all chemical, radioactive, and biological wastes:
 - a. Ensure that all wastes are being collected in appropriate containers.
 - b. Waste containers are in good condition (no residue on the outside of the container, no formation of crystals, etc.).
 - c. All containers are labeled as to their contents.
 - d. All containers are closed unless waste is being added.
2. Ensure that chemical containers are not stored near sinks or drains without secondary containment.
3. Ensure that any waste containers that are stored on the floor are in secondary containment.
4. No legacy chemicals are stored.
5. Empty P-listed chemical containers are given to EHSO for disposal (see pages 2-3 of the Guidelines for Chemical Waste Management in Laboratories).

Note: If your lab has accumulated any chemical waste, now would be a good time to have it picked up. Submit a detailed waste pick-up request to chemwaste@emory.edu.

6. Chemicals are not put down the drain, in the regular trash, or in biomedical waste without EHSO approval.
7. Chemicals are not evaporated in the fume hoods.
8. Used lamps are labeled "Used Lamp(s)" and with the date removed from service.
9. Unwanted mercury thermometers are labeled "Used Mercury Containing Device(s)" and with the date removed from service.
10. Used lamps and mercury devices are stored so as to prevent breakage.
11. Used rechargeable batteries are labeled "Used Battery(ies)" and with the date removed from service.
12. Electronic waste is labeled as "E-Waste for recycling" and recycled through the appropriate department.
13. Silver recovery units on photo processors are in good working condition.

Please take an opportunity to evaluate your areas of responsibility to verify that you are following the above guidelines. Please contact EHSO if you have questions.

Please Read—

Signature indicates: I have read and I understand the information in this issue of Lab Rat Newsletter. Use an additional sheet of paper for more signatures, if needed and attach to this document.

- This newsletter is a tool to help fulfill a legal requirement for ongoing safety training.
- Supervisors are responsible for ensuring that individuals in their area have read and understood the information that applies to their area.
- The signed newsletter should be placed into the PI's EHSO Lab Safety Binder.

Signature Here

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Eye Wash Testing

Eyewash Stations should be tested and documented once a month by lab personnel

Certifications

Biosafety Cabinets, Geiger Meters and Chemical Fume Hoods Certifications are required annually.

Fire Extinguishers

Visual fire extinguisher inspections conducted monthly:

- A. Is it present and mounted in its proper location?
- B. Is it readily accessible?
- C. Initial and date attached tag.

If it appears to need servicing contact the Maintenance HELP line at 7-7463

Tell us how we are doing!

The newsletter has a new home. Every individual article is now hosted [online!](#)

Got something to share?

[Tell us!](#) Post comments, related articles/links, and safety concerns.

Feel free to also send your comments to

biosafe@emory.edu.

We look forward to reading your ideas and comments!

Building Liaisons

[Click here](#) to find your building's Radiation and Research liaisons.