GHS Classification & Labeling of Chemicals

In this and future editions of The Lab Rat Newsletter, EHSO will provide quick overviews of the current hazard communication standards. The goal is to remind laboratory personnel of the information these pictograms are communicating regarding hazards in the laboratory.

**WHAT**

<table>
<thead>
<tr>
<th>Categories:</th>
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<tbody>
<tr>
<td>• Flammables</td>
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<td>• Pyrophorics</td>
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<td>• Emits Flammable Gas</td>
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<td>• Self-Heating</td>
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<td>• Self-Reactive</td>
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<td>• Organic Peroxides</td>
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**HOW**

**Storage Practices:**
- Always keep away from heat sources (e.g. ovens, incubators)
- Liquids: maximum 16 L per 100 ft² of lab space (outside flammables cabinet)
- Gases: isolate from oxygen gas cylinders

**WHERE**

**Storage Locations for Solids & Liquids:**
- Flammables Cabinet under Chemical Fume Hood
- Standalone Flammables Cabinet

**Common Examples:** Acetone, Ethanol, Acetonitrile, Toluene, Sodium (metal), Diethyl Ether

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**BioRAFT Demo for 3yr & New Submissions**

Do you need to submit a 3-yr biosafety renewal or a new biosafety project? Please join us for a demo of the BioRAFT platform on August 5, 2016 at 11 am. The link for GoToMeeting has been posted in the “Announcements” box in BioRAFT (emory.bioraft.com).
A recent electrical incident in a research laboratory at the University of Illinois at Urbana-Champaign resulted in second degree burns on one hand and a reminder to revisit electrical safety. The former Director of Research Safety at this university, Peter Ashbrook, published the following pieces of advice in a recent article in the *Journal of Chemical Health and Safety* (http://dx.doi.org/10.1016/j.jchas.2015.06.002):

- Make sure cords are in good condition and do not overload outlets.
- Do not use 3-to-2 prong adapters and do not leave electrical circuits exposed.
- Power strips should have circuit breakers or fuses.
- Extension cords are only for temporary use (less than a day).
- Do not daisy chain extension cords or power strips.
- Outlets must be GFCI protected if within six feet of a water source.
- If you have custom-built electrical equipment or have modified the electrical parts of any of your laboratory equipment, there should be a Standard Operating Procedure (SOP) about the hazards and how to control them.
- All “small” electrical incidents and near misses should be carefully reviewed to make sure that all appropriate steps are being taken to minimized hazards.

For more information, please revisit the electrical safety article in the July 2015 edition of *The Lab Rat Newsletter*: http://bit.ly/1kFDzy7

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**Fire Extinguishers**

Visual inspections of your fire extinguishers should be conducted monthly, confirming the following:

- Is it present and mounted in its proper location? Is it readily accessible?
- Is the pin in place and is the gauge needle in the green? After confirming these questions, initial and date the attached tag.

For servicing, contact Campus Services at 404-727-7463.

**Building Liaisons**

Radiation and Research liaisons can be found at the following:

[ehso.emory.edu/about/](http://ehso.emory.edu/about/)

**Feedback**

Send comments to:

biosafe@emory.edu

We look forward to reading your ideas and comments!

**About This Newsletter**

- 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**

Your signature indicates that you have read and 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.*

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