

Resources Referenced

4/18/2012 Laboratory Safety Colloquium

- Information on felony charges against the UCLA regents and the chemistry professor who oversaw a lab where a staff research assistant died three years ago after suffering massive second- and third-degree burns when a chemical she was handling caught fire. The issue at UCLA was a lack of job-specific training, not general lab safety training.

Grasgreen, Allie. "Fallout From a Lab Tragedy." INSIDE Higher Ed. 3 January 2012. <<http://www.insidehighered.com/news/2012/01/03/ucla-faces-criminal-charges-lab-accident>>

- A former graduate student at the University of Nebraska Medical Center College of Pharmacy (UNMC), brought suit against UNMC pursuant to the State Tort Claims Act seeking to recover for injuries he sustained in a laboratory explosion. This lays out what is expected of each party.

"Supreme Court of Nebraska: FU v. STATE." FindLaw for Legal Professionals. 17 May 2002. <<http://caselaw.findlaw.com/ne-supreme-court/1135556.html>>

- University of Pittsburgh grad student injured when a beaker full of mercury perchlorate hydrate caused an explosion.

Martino, Paul. "Pitt Grad Student Injured In Small Explosion In Chem Lab." CBS Pittsburgh. 17 August 2011. <<http://pittsburgh.cbslocal.com/2011/08/17/pitt-grad-student-injured-in-small-explosion-in-chem-lab/>>

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UNL Environmental Health and Safety Resources

- Virtual Manual <https://scsapps.unl.edu/VirtualManual/>
 - Creates the foundation of your lab safety manual, to be supplemented with lab-specific information, to form your laboratory Chemical Hygiene Plan.
 - Aggregates applicable regulatory requirements.
 - Leads you through risk assessment'.
- Job Safety Assessments Safe Operating Procedures (SOP) <http://ehs.unl.edu/sop/s-JSA.pdf>

- Use and Storage of Peroxide-Forming Chemicals SOP
<http://ehs.unl.edu/sop/s-peroxides.pdf>
- Pyrophoric Chemicals SOP http://ehs.unl.edu/sop/s-pyrophoric_chemicals.pdf
- Pyrophorics (Air-Sensitive) Chemical Safety - September 2010 Laboratory Safety Colloquium (video) <http://ehs.unl.edu/training/Colloquium/>

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Other Resources

- The National Research Council (NRC) publication, ***Prudent Practices in the Laboratory: Handling and Management of Chemical Hazards in the Laboratory, Revised Edition*** includes steps which can be used to assess laboratory hazards. http://www.nap.edu/openbook.php?record_id=4911
- OSHA has developed a publication, ***Laboratory Safety Guidance***, which provides a general overview of laboratory safety and contains safety recommendations, in addition to descriptions of mandatory safety and health standards. While not regulatory in nature, this document is a valuable resource. <http://www.osha.gov/Publications/laboratory/OSHA3404laboratory-safety-guidance.pdf>
- The US **Chemical Safety Board** (CSB) undertook an investigation after the Texas Tech incident in 2010. They have released their case study report, a related webinar, and a video, all of which discuss safety in research laboratories.
 - CSB Video, Experimenting with Danger:
http://www.csb.gov/videoroom/videos.aspx?cid=1&F_All=y
 - CSB Case Study, Texas Tech University Laboratory Explosion
http://www.csb.gov/assets/document/CSB_Study_TTU_FINAL.pdf
 - CSB Webinar:
http://www.csb.gov/assets/document/TTU_Webinar_Presentation.pdf