



University of Delaware  
Environmental Health & Safety  
**Hazard Assessment Checklist for Laboratory Researchers**



**This form should be completed jointly by any Laboratory Researcher and the Principal Investigator or Senior Researcher/Laboratory Manager. The Assessment Record is valid for a maximum of one year but must also be reviewed and supplemented whenever there is a significant change in the nature of the work performed.**

Department  Principal Investigator

Lab Researcher  Email

**Give a brief description of the work to be undertaken including the nature of materials and techniques to be used:**

**Download and review the Risk Assessments/Hazard Analysis with each researcher in the Group. If training is required, indicate if it has been completed. Each Risk Assessment/Hazard Analysis is linked in the table below. In some cases, a formal Standard Operating Procedure is required. There is extra space at the bottom of the table to track and document additional training and risk assessment/hazard analysis review.**

Hazard (Click on the links to access the Hazard Analysis and Safe Work Practices for each activity)	Risk Category and Degree of Oversight	Laboratory Safety Procedures and Hazard Assessment Seen and Read?	Training Date	Hazard (Click on the links to access the Hazard Analysis and Safe Work Practices for each activity)	Risk Category and Degree of Oversight	Laboratory Safety Procedures and Hazard Assessment Seen and Read?	Training Date
<a href="#">Acutely Toxic Material Use</a>	2			<a href="#">Carcinogens and Reproductive Toxin Use</a>	3		
<a href="#">Centrifuge Use</a>	3			<a href="#">Compressed Gas and Gas Cylinder Use</a>	3		
<a href="#">Chemical Fume Hoods</a>	3			<a href="#">Corrosive Liquid Use</a>	3		
<a href="#">Flammable Liquid and Solvent Use</a>	3			<a href="#">Heating Operations</a>	4		
<a href="#">Hydrofluoric Acid Use</a>	2			<a href="#">Laboratory Glassware</a>	4		
<a href="#">Lifting and Manual Handling</a>	4			<a href="#">Liquid Nitrogen and Cryogen Use</a>	3		
<a href="#">Materials of Unknown Toxicity</a>	3			<a href="#">Nanomaterial Use</a>	3		
<a href="#">Piranha Etch Operations</a>	2			<a href="#">Pressure and Vacuum Operations SOP Form</a>	3		
<a href="#">Pyrophoric Material Use</a>	2			<a href="#">Sharps</a>	4		
<a href="#">Standard Electrical Equipment</a>	3			<a href="#">UV Light</a>	4		

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<a href="#">Vacuum Pump Use</a>	3			<a href="#">Waste Disposal</a>	3		
Additional Information:							

**For the Laboratory Staff Member:**

I have been instructed in the physical and health hazards, proper handling, storage and disposal practices for the chemicals I use. I have been made aware of the hazards and safe work practices, including the required personal protective equipment, for the activities indicated above. I have studied them carefully and have noted the hazards inherent in the work and have noted the procedures recommended to reduce the associated risks. I understand that I must wear eye protection at all times in the laboratory when an eye hazard exists. I know where the Workplace Chemical List/Chemical Inventory is located and understand its purpose. I know how to interpret labels and Material Safety Data Sheets (MSDS). I know where the MSDS are located and know that online resources exist through the EHS Web Page (<http://www.udel.edu/ehs>). I have read and understood the University Chemical Hygiene Plan at (<http://www.udel.edu/ehs/chemhygieneplan.pdf>) and agree to follow the recommended procedures and practices. I know that the Hazardous Materials Safety Manual is available online at <http://www.udel.edu/ehs/hazmatman.pdf> and have reviewed the manual. I understand that there are special procedures and requirements for managing chemical and hazardous waste and that these materials must not be poured down the drain or placed in the regular trash. I am aware that there are special requirements for shipping and transporting chemicals, research samples, etc. I am aware that I must contact the Department of Environmental Health and Safety to assist with shipping and transporting these materials. I certify I have received training pursuant to the Hazardous Chemical Information Act (Right To Know) and University of Delaware Policy.

Lab Researcher Signature

Date:

Recommended Risk Categories and Definitions

<b>Level 1</b>	Those in which work may <b>not be undertaken without close senior supervision i.e. the presence of the Principal Investigator or of a Senior Researcher that is designated by PI.</b>
<b>Level 2</b>	Those in which work may <b>not be started without PI's advice.</b> The researcher must be trained and competent in the procedures.
<b>Level 3</b>	Those with some risks (other than Level 1 and 2) where the researcher must be trained and competent in the procedures before performing the operation without supervision.
<b>Level 4</b>	General laboratory practice. Training is still required.
<b>Level 5</b>	Those which, even without training, have very low levels of risk, however training is still necessary.