

University of Louisville
Hazard Assessment and Personal Protective Equipment Requirements for General Laboratory
Operations

Hazard	Personal Protective Equipment Required		
	Eye	Face	Hand/Skin/Body
Any laboratory use of chemicals	Safety glasses at all times		Lab coat, long pants, and closed-toed shoes.
Use of corrosive chemicals, strong oxidizing agents, carcinogens, mutagens, etc.	Chemical splash goggles	Full face shield and goggles (for work with over 4 liters of corrosive liquids)	Chemical resistant gloves. Visit the following websites for glove manufacturer information on chemical resistance of glove materials: Chemical Resistant Glove Directory - http://www.showagroup.com/innovation/chemical-resistance Microflex – http://www.microflex.com/Home/Products/Wizard#Wizard Ansell - http://www.ansellcanada.ca/pages/doc/GuideResistance/8thChm_Canada_Eng%20FINAL.pdf Impervious lab coat, coveralls, apron, protective suit (for work with over 5 gallons corrosive liquids)
Temperature extremes			Insulated gloves for handling ovens, furnaces, cryogenic bath and other devices over 100° C or below -1° C
Sharp objects (broken glass, insertion of tubes or rods into stoppers)			Heavy cloth barrier or leather gloves

NOTE: If other hazards are present, contact the [DEHS Laboratory Safety Coordinator](#) to conduct a more specific Personal Protective Equipment Hazard Assessment.