

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
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: Best Glove http://www.bestglove.com/aspx/chemrest/ Microflex http://www.microflex.com/ChemChartLatexNitrile.pdf Kimberly-Clark http://www.kcprofessional.com/us/mkt/ChemicalSelectorGuide/ Ansell http://www.ansellpro.com/specware/index.asp 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.