

PPE Chemical Hazard Assessment and Certification for HAZARDOUS SOLID CHEMICALS AND GASES		Date of Assessment
<p><i>Glove recommendations are for dry applications only. The addition of liquids, including water, may require additional evaluations. Consult a Chemical Resistivity Chart for Gloves for additional information.</i></p>		
HAZARD	List chemicals for each group	Recommended Personal Protective Equipment
Solid Chemicals		
CAUTION: Contact EHS (2-7018) for advice on proper PPE if work involves the use of highly toxic chemicals, or chemicals that are carcinogens or reproductive hazards.		
High toxicity poisons (low chance of dust formation)		<ul style="list-style-type: none"> • Safety glasses. • Chemical resistant gloves. • Coveralls or lab coat. • Closed toe shoes. <p><i>Weighing activities may require additional precautions.</i></p>
High toxicity poisons (chance of dust formation)		<ul style="list-style-type: none"> • Safety glasses. • Chemical resistant gloves. • Protective coveralls. • Closed toe shoes. • Obtain respiratory protection advice from EHS (2-7018). <p><i>Weighing activities may require additional precautions.</i></p>
Caustics (e.g. lime)		<ul style="list-style-type: none"> • Safety goggles if dust formation is likely; otherwise safety glasses. • Chemical resistant gloves. • Coveralls or lab coat. • Closed toe shoes.
Highly reactive and high energy oxidizers		<ul style="list-style-type: none"> • Safety glasses. (Face or body shield may also be required during the reaction depending on the scale of the reaction.) • Chemical resistant gloves. • Coveralls or lab coat. • Closed toe shoes.
All other solid chemicals		<ul style="list-style-type: none"> • Safety glasses. • Chemical resistant gloves. • Coveralls, long sleeve shirt, or lab coat. • Closed toe shoes.
Gases		
Compressed gases		<ul style="list-style-type: none"> • Safety goggles. • Chemical resistant gloves. • Coveralls or lab coat. • Closed toe shoes.
Pressurized vessels		<ul style="list-style-type: none"> • Safety glasses/goggles (+ face shield depending on substances in the vessel). • Chemical resistant gloves. • Coveralls or lab coat. • Closed toe shoes.

Person completing assessment (print)

Signature

PPE Chemical Hazard Assessment and Certification for HAZARDOUS LIQUID CHEMICALS		Date of Assessment
HAZARD	List chemicals for each group	Recommended Personal Protective Equipment
Corrosive Chemicals (Acids/Caustics)		
NOTE: If work is performed on an open bench rather than in a fume hood, goggles are required and a face shield may also be desirable.		
Small containers (<1 liter)		<ul style="list-style-type: none"> • Safety goggles/face shield preferred, safety glasses accepted. • Proper gloves (<i>specify on reverse side</i>). • Coveralls or lab coat. • Closed toe shoes.
Large containers (> 1 liter)		<ul style="list-style-type: none"> • Safety goggles/face shield. (Face shield + goggles required if high splash potential.) • Proper gloves (<i>specify on reverse side</i>). • Coveralls or lab coat AND acid-resistant apron. • Closed toe shoes.
Poisonous and Toxic Chemicals		
NOTE: If work involves possible exposure to toxic vapors, contact EHS (2-7018) for advice about respiratory protection.		
Highly toxic chemicals		<ul style="list-style-type: none"> • Safety goggles. • Proper gloves (<i>specify on reverse side</i>). • Coveralls or lab coat AND impermeable apron. • Closed toe shoes.
Chronic hazards, e.g. carcinogens		<ul style="list-style-type: none"> • Safety goggles preferred, safety glasses may be acceptable. • Proper gloves (<i>specify on reverse side</i>). • Coveralls or lab coat. • Closed toe shoes.
Other Liquid Chemicals		
Highly reactive and high energy oxidizers		<ul style="list-style-type: none"> • Safety goggles preferred, safety glasses may be acceptable. (Face or body shield may also be required during the reaction depending on the scale of the reaction.) • Proper gloves (<i>specify on reverse side</i>). • Coveralls or lab coat. • Closed toe shoes.
All other liquid chemicals		<ul style="list-style-type: none"> • Safety goggles preferred (+ face shield if high splash potential). Safety glasses may be acceptable • Proper gloves (<i>specify on reverse side</i>). • Coveralls or lab coat. • Closed toe shoes.

Person completing assessment (print)

Signature

**PPE Chemical Hazard Assessment and Certification for
HAZARDOUS LIQUID CHEMICALS—GLOVE SELECTION**

*Glove recommendations should be made for NON-IMMERSIVE applications. Consult a
Chemical Resistivity Chart for Gloves for immersion applications*

Chemical Name	Proper Glove
Corrosive Chemicals (Acids/Caustics)	
Poisonous and Toxic Chemicals	
Other Liquid Chemicals	