

Alfred University CHEMICAL HYGIENE PLAN

Appendix I - Hazard Assessment Form for Personal Protective Equipment

Send completed form to EH&S.

Date: _____ Department/Division: _____ Type of Lab(s): _____ Location(s): _____

Assessment conducted by: _____

Check all that apply	Task description	Description of hazards	Minimum Recommended PPE Use a chemical fume hood or other engineering controls whenever possible.	Specifics or additional PPE glove types <input checked="" type="checkbox"/> , use of respirators, etc.
<input type="checkbox"/>	Work with corrosive or organic liquids.	Severe to permanent skin or eye damage or scarring, possible loss of function, and/or loss or vision	Splash goggles, add Face shield with use of large volumes, Disposable chemical resistant gloves, Lab coat and other skin covered to ankles, wrists, throat, Closed shoes, socks.	
<input type="checkbox"/>	Work with infrared emitting equipment, e.g., glassblowing, welding, brazing, IR emitting instrument or exposed diodes.	Corneal burns, cataracts, conjunctivitis, erythema.	Shaded (IR filter) glasses, goggles, or visor appropriate to the wavelength(s) and to potential for exposure	
<input type="checkbox"/>	Spark-producing operations, e.g., metals grinding, welding,	Burns to hands, skins, eyes, hair, clothing.	Fire retardant apparel, gloves, Impact goggles. Keep hair covered, or tied away from sparks.	
<input type="checkbox"/>	Machine operation activities likely to catch clothing, hair, or jewelry.	Skin/limb injury.	Bind vulnerable clothing/hair, remove jewelry	
<input type="checkbox"/>	Metal working/grinding, Woodworking/grinding, Other operations likely to throw particles.	Eye impact injuries.	Safety glasses. No loose clothing, No jewelry	
<input type="checkbox"/>	Handling, moving, pouring, or any use of cryogenic liquids, or close proximity to an open container of cryogen.	Skin or eye tissue damage.	Splash goggles, Insulated gloves, Lab coat or skin covered to ankles, wrists, throat, Closed shoes/socks	

Check all that apply	Task description	Description of hazards	Minimum Recommended PPE Use a chemical fume hood or other engineering controls whenever possible.	Specifics or additional PPE glove types ☑, use of respirators, etc.
<input type="checkbox"/>	Working with or around sources of ultraviolet radiation	Eye irritation or damage, erythema (sunburn).	UV blocking goggles, skin cover on all potentially exposed areas. When face sunburn potential exists, a filtering face shield is required.	
<input type="checkbox"/>	Working with or around Class 3b or 4 lasers.	Skin irritation and/or damage, eye injury, vision loss.	Goggles appropriate to beam parameters, closed shoe, no jewelry/reflective items	
<input type="checkbox"/>	Working with etiological agents, human blood, cells, tissue, body fluids or materials derived from these.	Infectious disease, e.g. human immunodeficiency virus (HIV), hepatitis B virus (HBV), hepatitis C virus (HCV).	Safety glasses, "exam" gloves, skin covered on all potentially exposed areas, Closed shoes/socks, Work at Biosafety Level II.	
<input type="checkbox"/>	Work with or around hazardous solid. (Evaluate need for respiratory protection contact EHS)	Systemic poisoning, Reproductive effects, Eye, skin or mucous membrane irritation, damage.	Safety glasses/goggles, Disposable chemical resistant gloves, Lab coat, skin covered to wrists/ankles/throat, Closed shoes/socks	
<input type="checkbox"/>	Work with or around PHS (requires designated work area)	Systemic poisoning, Toxic Reproductive effects, Eye, skin or mucous membrane irritation or damage, Blindness, Death	Rubber or plastic apron, Plastic arm coverings (for HF), Splash goggles under Face shield, Gloves chosen for substance, Lab coat, skin covered to wrists/ankles/throat, Closed shoes/socks.	
<input type="checkbox"/>	other			

I certify that the above inspection was performed to the best of my knowledge and ability, based on the hazards present on

date_____ signature_____.

Submit copy of completed [site-specific PPE training](#)☑ documentation [Appendix F](#)☑ to EH&S.