

University of Tennessee Knoxville
Job Hazard Analysis and Personal Protective Equipment Assessment

Instructions for Supervisors: Please review all applicable Job Hazard Analysis forms with your employee. The forms are categorized by job task.

Hazard Analysis:

Portable Arc Welder, Gasoline Powered

Task	Hazard	Cause	Prevention
General Use	Inhalation	Hazardous fumes, gases, dusts	Appropriate ventilation, respirator as required
	Eye Injury	Projectiles, fumes, dusts, flashes	Helmets, goggles/safety glasses, appropriate noncombustible or flameproof screens
	Trauma	Projectiles, burns	Situational awareness, Flame Retardant clothing, switch guards
	Foot Injury	Drop object on foot	Wear safety shoes
	Fire	Heat, sparks, slag	Appropriate placed fire extinguisher, remove all combustibles and fire hazards from machine area
	Electrical Shock	Improper grounding, improper operations and maintenance, improper switching device	Lockout/tagout, proper grounding of secondary and case portable welding transformers, manufacturer's instructions strictly followed, proper switching for shutting down machine

PPE Required:

- Safety Shield/Helmet with Filter Lens
- Flame Retardant gauntlet gloves
- Safety shoes/boots
- Respirator
- Safety glasses w/side shields or Goggles
- Protective
- Clothing (Full sleeves, no front pockets, no cuffs, Shirt left outside of trousers, made of clean Flame Retardant materials)

This document serves as the Personal Protective Equipment (PPE) Certification document required to satisfy the federal requirements of the Occupational Safety and Health Administration (OSHA) Standard, 29 CFR 1910.132 Subpart I- Personal Protective Equipment. This certifies that a hazard assessment of workplace hazards has been performed. Signatures for the certification are on file in the Environmental Health and Safety Department office. For questions and more information about this document, please contact EHS at 974-5084 or safety @utk.edu.

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