

**UNIVERSITY OF ROCHESTER
ENVIRONMENTAL HEALTH & SAFETY**

APPENDIX 3

Example of Task Analysis & Minimum Requirements for Foot/Leg Protection

Task Example	Hazardous Activities	Minimum PPE; one or more of:
Can tools, sharp objects, heavy equipment or other heavy objects roll, fall onto, or strike employee's feet?	Construction, plumbing, building maintenance, trenching, utility work, grass cutting, etc.	Metatarsal guards, toe guards, combination foot/toe guard, safety shoes as appropriate for the task
Do your employees handle or work near employees who handle hazardous chemical liquids, molten metal or cryogenic material?	Welding, work, casting, chemical store rooms, Liquid oxygen/nitrogen fill areas	Leggings, metatarsal guard combination foot/shin guard, safety shoes as appropriate for the task
Do your employees work with or near exposed electrical wiring components?	Building maintenance, utility work, construction, wiring work on or near communications, computers, or other high tech equipment	Safety shoes with soles made safe for the type of electrical work being performed
Do your employees work in laboratories with chemicals, biohazards?	Spillage, slips, trips, dropping material on feet	No open-toed shoes, no soft cloth shoe, shoes with good support and footing

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APPENDIX 4

Example of Task Analysis & Minimum Requirements for Hand/Arm Protection

Task Example	Hazardous Activities	Minimum PPE; one or more of:
Do hands come in contact with tools or materials that might scrape, bruise, or cut?	Grinding, sanding, sawing, hammering, material handling, meat cutting, glazier	Metal mesh, leather, canvas, Kevlar material, cloth
Are chemicals, blood or other body fluids handled that may contact skin?	Pouring, mixing, painting, leaning, siphoning, dip tank operations, health care and dental services	See glove chart, chemical and liquid resistant gloves may be double gloved or under other protective gloves (e.g., leather or canvas)
Do work procedures require hands and arms near extreme heat or cold?	Welding, pouring molten metal, baking, cooking, drying, handling cryogenic material	Leather, aluminized, aramid fiber, cryogenic rated gloves
Are hands or arms placed near exposed electrical wiring or components?	Building maintenance, utility work, construction, wiring, work on or near communications or computers	Electrically rated insulating rubber gloves see manufacturer's instruction and specifications