

General PPE Selection Considerations

The following information is to aid in the selection of personal protective equipment. The list is not exhaustive, but can be used to help in conducting your job specific risk assessments. Be sure to contact your supervisor or [EH&S](#) with any questions.

| There may be the need for- | When there is... |
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| Body Protection | <ul style="list-style-type: none"> • Potential for splash. • Potential for fire. • Potential for toxic dust contamination (i. e. pesticides). |
| <i>Full face shield, gloves* & lab coat</i> | <ul style="list-style-type: none"> • Pouring hazardous liquids from greater than one pint containers in fume hoods. • Pouring high hazard liquids any quantity. (Class 4 hazard due to skin absorption e. g. Phenol, HF) |
| Face Protection | <ul style="list-style-type: none"> • Potential for explosion/implosion. • Potential for corrosive chemical splash. • Potential for flash fire. • Welding, Burning and Brazing • Maintenance work, stored energy, steam, pressurized chemical lines • Replacing fuses • Hot Repairs |
| Eye Protection | <ul style="list-style-type: none"> • Intense heat • Impact • <i>Chemicals</i> • Intense light: Laser, welding |
| Hand Protection | <ul style="list-style-type: none"> • Light Duty • Medium Duty • Heavy Duty • High Temperature • Low Temperature • Electrical • Hazardous Materials: Biological, Chemical |
| Foot Protection | <ul style="list-style-type: none"> • Electrical • Chemical • Hazardous spill clean-up • Impact • Penetration • Compression |
| Head Protection | <ul style="list-style-type: none"> • Potential for head contact with electrical conductors • Potential for falling objects from above (construction site) • Potential for head contact with conduit |
| Respiratory Protection | <ul style="list-style-type: none"> • In the presence of harmful airborne agents. • Use and exposure to toxic materials which are not used in an exhausted enclosure. • Breaking of a toxic or corrosive gas connection (regardless of local exhaust ventilation). |

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| | <ul style="list-style-type: none">• Need for SCBA use in emergency response. |
| Hearing Protection | <ul style="list-style-type: none">• A high noise level in employee work areas.• A need to raise your voice at distances of six feet and less.• A high noise level in areas which may be entered by employees only occasionally. |

*gloves use must be based on the equipment's capabilities as prescribed by the manufactures safety information.