

## Use of Personal Protection Equipment (PPE)

Personal protection involves the use of protective clothing to protect various parts of the body.

- Eye and face injuries are prevented by the use of the following:
  - ✓ Safety glasses with side shields for dust and flying object hazards
  - ✓ Splash-proof goggles for chemical splash, spray and mist hazards
  - ✓ Full-face and neck shields for head and neck protection from various hazards
- Splash-proof goggles provide superior protection against dust, flying objects, and splash, spray and mist hazards. They should be the first choice for primary eye protection.
- Cover all unprotected skin surfaces. Do not wear open-toe shoes, sandals, shorts, etc., in a chemical laboratory.
- When there is a chance of skin contact with a substance which has a hazard of acute dermal toxicity, skin corrosion, irritation, sensitization, mutagenicity, carcinogenicity, or reproductive toxicity, or which exhibits target organ systemic toxicity which might result from skin exposure, then impervious protective equipment must be utilized as appropriate to prevent skin contamination. Examples include:
  - ✓ protective gloves (vinyl, nitrile)
  - ✓ rubber boots
  - ✓ rubberized suits
  - ✓ special protective equipment
- Protective garments are not equally effective for every hazardous chemical. Some chemicals will "break-through" the garment in a very short time; therefore, garment selection is based on the specific chemical utilized.

For further questions or reference, please visit the [Colorado Department of Public Health and Environment](#). Other websites include [Colorado Hazardous Waste Regulations 6 CCR 1007-3](#).

**Important Note:** Respirators may only be worn when engineering controls cannot keep exposure to chemicals below permissible exposure limits (PELs). Employees may not wear a respirator until they have completed required elements of the FRCC Respiratory Protection Program. The campus Facilities Departments have oversight for this program and can be contacted for additional information.