

# PPE REQUIREMENTS FOR HAZWOPER OPERATIONS

## ABC COMPANY

Company ABC has established the following HAZWOPER PPE ensembles that are required for use on all Company ABC HAZWOPER operations, subject to modifications specified below which are based on the site conditions of a particular site.

### 1. Level D Ensemble

#### Level D Equipment List

- Hard hat
- Eye protection
- Safety-toe work boots
- Shirts with sleeves and long pants (shorts are unacceptable for use)
- Hearing protection (as required)

The Level D ensemble provides minimal skin protection (primarily against physical rather than chemical hazards) and no respiratory protection. Level D PPE is the minimum work uniform to be used on HAZWOPER sites. Its use is appropriate only when there's no significant potential for encountering hazardous substances or health hazards while working in controlled work areas.

### 2. Modified Level D Ensemble

#### Modified Level D Equipment List

Level D ensemble, supplemented by the addition of one or more of the following items:

- Chemical-resistant disposable outer coveralls
- Chemical-resistant outer gloves taped to outer coveralls
  - Chemical-resistant inner gloves
- Chemical-resistant safety-toe boots (taped to outer coveralls)

The Modified Level D ensemble provides moderate skin protection against contact with hazardous substances, but no respiratory protection. Its use is appropriate where there's a moderate-to-low potential for skin contact with known hazardous substances and health hazards, but no significant inhalation hazard is anticipated.

### 3. Level C Ensemble

#### Level C Equipment List

- Full-face air-purifying respirator (APR) equipped with cartridge types as designated in the project HASP
  - Chemical-resistant disposable outer coveralls
- Chemical-resistant outer gloves taped to outer coveralls
  - Chemical-resistant inner gloves
  - Hard hat
- Safety-toe boots taped to coveralls; the use of boot covers (e.g., booties) or chemical-resistant boots may be specified
  - Hearing protection (as required)

The Level C ensemble provides moderate skin protection against contact with hazardous substances and moderate respiratory protection. Its use is appropriate where there is the potential for skin contact with known hazardous substances and health hazards, together with a limited and well-defined potential for exposure via inhalation.

### 4. Level B Ensemble

#### Level B Equipment List

- Supplied air respirator (SCBA or air line system with Grade D or better breathing air)
  - Chemical-resistant disposable outer coveralls
- Chemical-resistant outer glove taped to outer coveralls
  - Chemical-resistant inner gloves
  - Hard hat
- Chemical resistant safety-toe boots taped to coveralls
  - Hearing protection (as required)

The Level B ensemble provides both the highest level of inhalation exposure protection, and considerable skin contact protection. Its use is appropriate where there are significant known or suspected hazardous substances and health hazards, involving both skin and inhalation exposure (up to and including Immediately Dangerous to Life or Health [IDLH] conditions), or where adverse atmospheric conditions cannot be mitigated by use of air purifying respirators (e.g., oxygen deficient atmospheres or chemicals with poor warning properties). The use of Level B PPE requires prior approval by the ABC Company EHS Director.

### 5. Level A Ensemble

#### Level A Equipment List

Specific Level A ensemble components will be determined on a case-by-case basis by the  
ABC Company EHS Department

The Level A ensemble provides the highest level of both respiratory and skin protection, up to and including protection against skin contact with vapor-phase contaminants. The use of Level A PPE requires prior approval by the ABC Company EHS Director.