





Decontamination 101 & _____SALT Triage

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Decontamination PPE

Level A : To be selected when the greatest level of skin, respiratory, and eye protection is required



Level A protection should be used when:

- The hazardous substance has been identified and requires the highest level of protection for skin, eyes and the respiratory system based on either the measured (or potential for) high concentration of atmospheric vapors, gases or particulates; or particulates of materials that are harmful to skin or capable of being absorbed through the skin;
- Substances with a high degree of hazard to the skin are known or suspected to be present, and skin contact is possible; or
- Operations must be conducted in confined, poorly ventilated areas, and the absence of conditions requiring Level A have not yet been determined.









Decontamination PPE

Level C: Used when concentration(s) and type(s) of airborne substance(s) is known and the criteria for using air purifying respirators are met



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Level C protection should be used when:

- The atmospheric contaminants, liquid splashes, or other direct contact will not adversely affect or be absorbed through any exposed skin;
- The types of air contaminants have been identified, concentrations measured, and an air-purifying respirator is available that can remove the contaminants; and
- All criteria for the use of air-purifying respirators are met.

















Fit-Testing

- Initially & annually thereafter
 - N95 TB Respirators: annual fit-testing required
- Loose-fitting hood: no fit-testing required!!!
- Types of fit-testing
 - Qualitative fit-test: pass/fail
 - Quantitative fit-test: measure amount of leakage



Donning PPE – Outer Suit

- Take off shoes
- Slip on Tychem Suit Protective Suit
- Then zip up front of suit (seal front of suit with tape after hood is in position)





Donning PPE – Inner Glove

Put on nitrile liner glove first

- Put nitrile glove underneath sleeve of suit so contaminants do not leak into gloves
- Tape glove down to suit



Donning PPE – Outer Gloves

Put on butyl rubber glove with assistance

Tape glove on outside of suit

Inspect gloves for holes prior to donning



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Powered Air Purifying Respirator

•Get help putting on unit

Remember:

- Check flow rate of PAPR (>6LPM)
- Make sure tab on each filter is removed
- Plug in battery (8-10 hours per charge) then turn on
- Not to be used in oxygen deficient environments





Decontamination Zones

First Receiver Hospital Decontamination Zones

- OSHA has found it appropriate to define two functional zones during hospital-based decontamination activities.
- These zones, which guide the application of OSHA's recommendations, are:
 - Hospital Decontamination Zone
 - Hospital Post-decontamination Zone
- The Hospital Decontamination Zone includes any areas where the type and quantity of hazardous substance is unknown and where contaminated victims, equipment, or waste may be present. It is reasonably anticipated that employees.











Decon Techniques: Non-Ambulatory Patients

- Cut clothing off, avoid "wringing out," bag & tag
- Rinse, clean, rinse
- ~ 5 minutes per patient
- Start at head & work down in a systematic fashion
- Decon around wounds, working from in to out
- Good patient movement techniques/ work in groups
- Transfer to clean back board

















