

# HAZMAT QUICK REFERENCE

## PPE LEVELS

Level A: SCBA + encapsulating  
Use for: Unknown, highly toxic

Level B: SCBA + splash suit  
Use for: Known, less toxic

Level C: APR + splash suit  
Use for: Known, <IDLH

## SCBA TIMINGS

30-min bottle = ~25 min work time

**WARNING 10 min:** Check air supply

**WARNING 20 min:** Consider exit

**ALERT 25 min:** EXIT NOW!

Always maintain buddy system  
Exit with 25% reserve minimum

## RADIATION LIMITS

Investigation: 50 uR/hr

Event Threshold: 2 mR/hr

**Dose Limits (emergency):**

\* Task limit: 5 R

\* Life saving: 25 R

Time, Distance, Shielding!

## 4-GAS METER ALARMS

Sensor	Low	High
O2	19.5%	23.5%
LEL	10%	20%
CO	35 ppm	200 ppm
H2S	10 ppm	20 ppm

**EXIT on ANY alarm!**

## 3-ZONE MODEL

**HOT ZONE:** Contaminated area, PPE required

**WARM ZONE:** Decon corridor, support

**COLD ZONE:** Safe area, command post

Wind considerations: Upwind/uphill

## ERG CRITICAL GUIDES

Guide 111: Radioactive materials

Guide 117: Water-reactive flammables

Guide 124: Toxic compressed gases

Guide 157: Infectious substances

**Use GREEN pages for TIH isolation!**

## EMERGENCY CONTACTS

**CHEMTREC:** 1-800-424-9300

**NRC (Nuclear):** 1-800-424-8802

**Poison Control:** 1-800-222-1222

**Have UN# and chemical name ready!**