



HAZWOPER Acronyms & Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
ANSI	American National Standards Institute
APF	Assigned Protection Factor
APR	Air-Purifying Respirator
AQMD	Air Quality Management District
ARC	American Red Cross
“C”/Ceil	Ceiling Limit
CAA	Clean Air Act
CalEPA	California Environmental Protection Agency
Cal/OSHA	California Occupational Safety and Health Administration
Caltrans	California Department of Transportation
CAMEO	Computer-Aided Management of Emergency Operations
CAS	Chemical Abstracts Service
CCR	California Code of Regulations
CDC	Centers for Disease Control and Prevention
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CGI	Combustible Gas Indicator
CHEMTREC	Chemical Transportation Emergency Center
CPC	Chemical Protective Clothing
CUPA	Certified Unified Program Agency
CVC	California Vehicle Code

CWA	Clean Water Act
Decon	Decontamination
CA DFW	California Department of Fish and Wildlife
DOT	Department of Transportation (Federal)
DTSC	Department of Toxic Substances Control (CalEPA)
ERG	Emergency Response Guidebook
EPA	Environmental Protection Agency (Federal)
EPCRA	Emergency Planning and Community Right-to-Know Act
FEMA	Federal Emergency Management Agency
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FM	Factory Mutual
FRA	Federal Railroad Administration
GC	Gas Chromatography
GPR	Ground-Penetrating Radar
Hazmat	Hazardous Material
HAZWOPER	Hazardous Waste Operations and Emergency Response
HEPA	High-Efficiency Particulate Air
HMIS	Hazardous Materials Identification System
HMTA	Hazardous Materials Transportation Act
HSC	California Health and Safety Code
IC	Incident Commander
ICS	Incident Command System
IDLH	Immediately Dangerous to Life or Health
LC₅₀	Lethal Concentration 50%
LD₅₀	Lethal Dose 50%
LEL/LFL	Lower Explosive Limit / Lower Flammable Limit
mg/kg	Milligrams per Kilogram

mg/m³	Milligrams per Cubic Meter
MSA	Mine Safety Appliances
MSHA	Mine Safety Health Administration
MSDS	Material Safety Data Sheet
MUC	Maximum Use Concentration
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NOAA	National Oceanic and Atmosphere Administration
NPL	National Priorities List
NRA	Nuclear Regulatory Agency
NRC	National Response Center
OES	Office of Emergency Services (California Governor's Office)
OSHA	Occupational Safety and Health Administration
OSPR	Office of Spill Prevention and Response
OV/AG	Organic Vapor / Acid Gas (Cartridge)
PAPR	Powered Air-Purifying Respirator
PEL	Permissible Exposure Limit (OSHA & Cal/OSHA)
PF	Protection Factor
PIO	Public Information Officer
PPB	Parts per Billion
PPE	Personal Protective Equipment
PPM	Parts per Million
PPT	Parts per Trillion
PVC	Polyvinyl Chloride
RCRA	Resource Conservation and Recovery Act
REL	Recommended Exposure Limit (NIOSH)
RWQCB	Regional Water Quality Control Board

SAR	Supplied Air Respirator
SARA	Superfund Amendments and Reauthorization Act (1986)
SCBA	Self-Contained Breathing Apparatus
SDS	Safety Data Sheet
SEMS	Standardized Emergency Management System
SIC	Standard Industry Code
SOP	Standard Operating Procedure
STEL	Short-Term Exposure Limit
STLC	Soluble Threshold Limit Concentration
SWQCB	State Water Quality Control Board
TCLP	Toxicity Characteristic Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TSDF	Treatment, Storage, and Disposal Facility
TTLC	Total Threshold Limit Concentration
TWA	Time-Weighted Average
UEL/UFL	Upper Explosive Limit / Upper Flammable Limit
UL	Underwriters Laboratories
USCG	United States Coast Guard
USDA	United States Department of Agriculture
USFS	United States Forest Service
WET	Wet Extraction Test (California)