

# List of ERPG Chemicals (Updated as of Fall 2019)

Technical Supporting Documents  
for each chemical listed on  
the following pages are available for  
individual purchase.

Contact AIHA Customer Service

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# Technical Supporting Documentation

In general, for each chemical technical supporting documentation includes the following background information:

- Identification of the chemical, including synonyms, CAS and DOT numbers, molecular and structural formulas
- Chemical and physical properties
- Animal toxicology data
- Human use and experience data
- Current occupational exposure guidelines
- Recommended ERPG values and rationales
- Historical information on development of ERPG values
- Literature references

# Chemical (CAS Number)

- Acetaldehyde (75-07-0)
- Acetic Acid (64-19-7)
- Acetic Anhydride (108-24-7)
- Acrolein (107-02-8)
- Acrylic Acid (79-10-7)
- Acrylonitrile (107-13-1)
- Allyl Chloride (107-05-1)
- Ammonia (7664-41-7)
- Arsine (7784-42-1)
- Benzene (71-43-2)
- Benzoyl Chloride (98-88-4)
- Benzyl Chloride (100-44-7)
- Beryllium (7440-41-7)
- Bis (Chloromethyl) Ether (542-88-1)
- Boron Trifluoride (7637-07-2)
- Bromine (7726-95-6)
- 1,3-Butadiene (106-99-0)

## Chemical (CAS Number)

- n-Butyl Acetate (123-86-4)
- n-Butyl Acrylate (141-32-2)
- n-Butyl Isocyanate (111-36-4)
- Carbon Disulfide (75-15-0)
- Carbon Monoxide (630-08-0)
- Carbon Tetrachloride (56-23-5)
- Chlorine (7782-50-5)
- Chlorine Dioxide (10049-04-4)
- Chlorine Trifluoride (7790-91-2)
- Chloroacetyl Chloride (79-04-9)
- Chloroform (67-66-3)
- Chloromethyl Methyl Ether (107-30-2)
- Chloropicrin (76-06-2)
- Chlorosulfonic Acid (7790-94-5)
- Chlorotrifluoroethylene (79-38-9)
- Cobalt Hydrocarbonyl (16842-03-8) (Values are given as Cobalt.)
- Crotonaldehyde (4170-30-3)
- Crude oil hydrocarbon volatiles (8002-05-9)

# Chemical (CAS Number)

- CS (o-Chlorobenzylidene Malononitrile) (2698-41-1)
- Cyanogen Chloride (506-77-4)
- Diborane (19287-45-7)
- 1,2-Dichloroethane (107-06-2)
- 1,1-Dichloroethylene (75-35-4) (Vinylidene Chloride)
- 2,4-Dichlorophenol (120-83-2)
- Dicyclopentadiene (77-73-6)
- Diesel Fuel and Other Middle Distillate Fuels (68334-30-5)
- Diketene (674-82-8)
- Dimethylamine (124-40-3)
- Dimethyl Disulfide (624-92-0)
- Dimethylformamide (68-12-2)
- Dimethyl Sulfide (75-18-3)
- Dowtherm J (25340-17-4) (Diethylbenzenes, mixed isomers)
- Dowtherm Q (68987-42-8) (Diphenylethane and Alkylated Aromatics Mixture)
- Epichlorohydrin (106-89-8)
- Ethanol (64-17-5)

# Chemical (CAS Number)

- Ethyl Acrylate (140-88-5)
- Ethyl Chloroformate (541-41-3)
- 2-Ethyl Hexanol (104-76-7)
- Ethylene Oxide (75-21-8)
- Ethylidene Norbornene (16219-75-3)
- Fluorine (7782-41-4)
- Fluorosulfonic acid (7789-21-1)
- Formaldehyde (50-00-0)
- Formic Acid (64-18-6)
- Furfural (98-01-1)
- Gasoline (86290-81-5)
- Glutaraldehyde (111-30-8)
- HCFC-123 (2,2-Dichloro-1,1,1-Trifluoroethane) (306-83-2)
- HCFC-124 (2-Chloro-1,1,1,2-Tetrafluoroethane) (2837-89-0)
- HCFC-142b (1-Chloro-1,1-Difluoroethane) (75-68-3)
- Hexachlorobutadiene (87-68-3)
- Hexafluoroacetone (684-16-2)

## Chemical (CAS Number)

- Hexafluoropropylene (116-15-4)
- 1-Hexene (592-41-6)
- HFC-152a (1,1-Difluoroethane) (75-37-6)
- HFO-1234yf (2,3,3,3-Tetrafluoropropene) (754-12-1)
- HFO-1234ze (1,3,3,3-Tetrafluoropropylene) (29118-24-9)
- Hydrazine (302-01-2)
- Hydrogen Chloride (7647-01-0)
- Hydrogen Cyanide (74-90-8)
- Hydrogen Fluoride (7664-39-3)
- Hydrogen Peroxide (7722-84-1)
- Hydrogen Selenide (7783-07-5)
- Hydrogen Sulfide (7783-06-4)
- Iodine (7553-56-2)
- Isobutyronitrile (78-82-0)
- 2-Isocyanatoethyl Methacrylate (30674-80-7)
- Isoprene (78-79-5)
- Isopropyl Chloroformate (108-23-6)

# Chemical (CAS Number)

- Lithium Hydride (7580-67-8)
- Maleic Anhydride (108-31-6)
- MDI (Methylene Diphenyl Diisocyanate) (101-68-8)
- Mercury Vapor (7439-97-6)
- Methanol (67-56-1)
- Methyl Bromide (74-83-9)
- Methyl Chloride (74-87-3)
- Methyl Chloroformate (79-22-1)
- Methyl Iodide (74-88-4)
- Methyl Isocyanate (624-83-9)
- Methyl Mercaptan (74-93-1)
- Methyl tert-Butyl Ether (MTBE) (1634-04-4)
- Methylene Chloride (75-09-2)
- Monomethylamine (74-89-5)
- Nitric Acid WFNA (7697-37-2)
- Nitrogen Dioxide (10102-44-0)
- Nitrogen Trifluoride (7783-54-2)



## Chemical (CAS Number)

- 1-Octanol (111-87-5)
- 1-Octene (111-66-0)
- Oleum (8014-95-7) [See Sulfuric Acid]
- Perchloroethylene (127-18-4)
- Perfluoroisobutylene (382-21-8)
- Phenol (108-95-2)
- Phenyl isocyanate (103-71-9)
- Phosgene (75-44-5)
- Phosphine (7803-51-2)
- Phosphoric Acid (7664-38-2)
- Phosphorus Pentoxide (1314-56-3)
- Phosphorus Trichloride (7719-12-2)
- Propylene Glycol Methyl Ether Acetate (108-65-6  $\alpha$ -isomer) (70657-70-4  $\beta$ -isomer)
- Propylene Oxide (75-56-9)
- Silane, Dimethyldichloro- (75-78-5)
- Silane, Methyltrichloro- (75-79-6)
- Silane, Tetrachloro- (10026-04-7)

## Chemical (CAS Number)

- Silane, Tetraethoxy- (78-10-4)
- Silane, Tetramethoxy- (681-84-5)
- Silane, Trichloro- (10025-78-2)
- Silane, Triethoxy- (998-30-1)
- Silane, Trimethoxy- (2487-90-3)
- Silane, Trimethylchloro- (75-77-4)
- Silane, Vinyl Trichloro- (75-94-5)
- Sodium Hydroxide (1310-73-2)
- Stibine (7803-52-3)
- Styrene (100-42-5)
- Sulfur Dioxide (7446-09-5)
- Sulfur Trioxide (7446-11-9) [See Sulfuric Acid]
- Sulfuric Acid (Oleum [8014-95-7], Sulfur Trioxide [7446-11-9], and Sulfuric Acid [7664-93-9])
- Sulfuryl Chloride (7791-25-5)
- TDI (Toluene 2,4- (2,6-) Diisocyanate) (584-84-9), (91-08-7)
- Tetrafluoroethylene (116-14-3)

# Chemical (CAS Number)

- Tetrahydrofuran (109-99-9)
- Thionyl Chloride (7719-09-7)
- Titanium Tetrachloride (7550-45-0)
- Toluene (108-88-3)
- 1,1,1-Trichloroethane (71-55-6)
- Trichloroethylene (79-01-6)
- Trimethylamine (75-50-3)
- Triuranium Octaoxide (1344-59-8)
- Uranium Dioxide (1344-57-6)
- Uranium Hexafluoride (7783-81-5)
- Uranium Trioxide (1344-58-7)
- Vinyl Acetate (108-05-4)
- Vinyl Chloride (75-01-4)
- Vinylidene Chloride (75-35-4) [See 1,1-Dichloroethylene]