CAPP Table of Substances Alphabetical Order

Chemical Name	Alternate Chemical Name	Mixture Description	CAS Number	Threshold Quantity (lbs)	Two Release Quantity (lbs)	Two Release Source note 1	Tox(T) or Flam(F)	Toxic End-point (mg/L)
Acetaldehyde	Ethanal		75-07-0	2,500	1,000	1	F	
Acetylene	Ethyne		74-86-2	***10,000***	***1,000***	***3***	F	
Acrolein	2-Propenol		107-02-8	150	1	1 & 2	T	0.0011
Acrylonitrile	2-Propenenitrile		107-13-1	***20,000***	***100***	***1 & 2***	T	0.076
Acrylyl chloride	2-Propenoyl chloride		814-68-6	250	100	2	T	0.00090
Alkylaluminums				5,000	50*	3		
Allyl alcohol	2-Propen-1-ol		107-18-6	***15,000***	***100***	***1 & 2***	T	0.036
Allyl chloride	3-chloropropene		107-05-1	1,000	100	3	***T***	***0.1252***
Allylamine	2-Propen-1-amine		107-11-9	1,000	500	2	T	0.0032
Ammonia	Anhydrous Ammonia	Anhydrous	7664-41-7	5,000	100	1 & 2	T	0.14
Ammonia	Ammonia solution Ammonium hydroxide	20wt% ***to 44 wt%***	7664-41-7	***20,000*** ***note 2***	***1,000***	***1***	T	0.14
Ammonia	Ammonia solution Ammonium hydroxide	concentration greater than 44% ammonia by weight	7664-41-7	10,000 ***note 2***	***1,000***	***1***	***T***	***0.14***
Ammonium perchlorate			7790-98-9	7,500	75*	3		
Ammonium permanganate			7787-36-2	7,500	75*	3		
Arsenous trichloride			7784-34-1	***15,000***	***1***	***1 & 2***	T	0.010
Arsine	Arsenic Hydride		7784-42-1	100	10	3	T	0.0019
bis(Chloromethyl) Ether	Chloromethyl Ether		542-88-1	100	10	1 & 2	T	0.00025
Boron trichloride			10294-34-5	2,500	100	3	T	0.010
Boron trifluoride			7637-07-2	250	25	3	T	0.028

Chemical Name	Alternate Chemical Name	Mixture Description	CAS Number	Threshold Quantity (lbs)	Two Release Quantity (lbs)	Two Release Source note 1	Tox(T) or Flam(F)	Toxic End-point (mg/L)
Boron trifluoride w/Methyl Ether		1:1 ratio	353-42-4	***15,000***	***1,000***	***2***	T	0.023
Bromine			7726-95-6	1,500	500	2	T	0.0065
Bromine chloride			13863-41-7	1,500	10	3	***T***	***0.00472***
Bromine pentafluoride			7789-30-2	2,500	100	3	***T***	***0.00715***
Bromine trifluoride			7787-71-5	15,000	1,000	3	***T***	***0.0025***
Bromotrifluorethylene			598-73-2	***10,000***	***1,000***	***3***	F	
1,3-Butadiene			106-99-0	***10,000***	***10***	***1***	F	
Butane			106-97-8	***10,000***	***1,000***	***3***	F	
1-Butene			106-98-9	***10,000***	***1,000***	***3***	F	
2-Butene			107-01-7	***10,000***	***1,000***	***3***	F	
Butene			25167-67-3	***10,000***	***1,000***	***3***	F	
2-Butene-cis			590-18-1	***10,000***	***1,000***	***3***	F	
2-Butene-trans			624-64-6	***10,000***	***1,000***	***3***	F	
Butyl hydroperoxide (Tertiary)			75-91-2	5,000	50*	3		
Butyl perbenzoate (Tertiary)			614-45-9	7,500	75*	3		
Carbon disulfide			75-15-0	***20,000***	***100***	***1 & 2***	T	0.16
Carbon oxysulfide	Carbon Oxide Sulfide		463-58-1	***10,000***	***100***	***1***	F	
Carbonyl fluoride			353-50-4	2,500	10	3	***T***	***0.00972***
Cellulose nitrate		concentration greater than 12.6% nitrogen	9004-70-0	2,500	25*	3		
Chlorine			7782-50-5	1,500	10	1 & 2	T	0.0087
Chlorine dioxide			10049-04-4	1,000	100	3	T	0.0028
Chlorine monoxide			7791-21-1	***10,000***	***1,000***	***3***	F	
Chlorine pentafluoride			13637-63-3	1,000	10	3	***T***	***0.003***

Chemical Name	Alternate Chemical Name	Mixture Description	CAS Number	Threshold Quantity (lbs)	Two Release Quantity (lbs)	Two Release Source note 1	Tox(T) or Flam(F)	Toxic End-point (mg/L)
Chlorine trifluoride			7790-91-2	1,000	100	3	***T***	***0.0038***
Chlorodiethylaluminum	Diethylaluminum Chloride		96-10-6	5,000	50*	3		
1-Chloro-2,4-Dinitrobenzene			97-00-7	5,000	50*	3		
Chloroform			67-66-3	***20,000***	***10***	***1 & 2***	T	0.49
Chloromethyl methyl ether			107-30-2	500	10	1 & 2	T	0.0018
Chloropicrin			76-06-2	500	50	3	***T***	***0.00134***
Chloropicrin/ Methylbromide mix				1,500	500	3	***T***	***0.00078***
Chloropicrin/Methyl chloride mix				1,500	500	3	***T***	
1-Chloropropylene			590-21-6	***10,000***	***1,000***	***3***	F	
2-Chloropropylene			557-98-2	***10,000***	***1,000***	***3***	F	
Crotonaldehyde	2-Butenal		4170-30-3	***20,000***	***100***	***1 & 2***	T	0.029
Crotonaldehyde, (E)-	2-Butenal, (E)-		123-73-9	***20,000***	***100***	***1 & 2***	T	0.029
Cumene Hydroperoxide			80-15-9	5,000	10	1		
Cyanogen	Ethanedinitrile		460-19-5	2,500	100	1	F	
Cyanogen chloride			506-77-4	500	10	1	T	0.030
Cyanuric fluoride			675-14-9	100	10	3	***T***	***0.00017***
Cyclohexylamine	Cyclohexanimine		108-91-8	***15,000***	***1,000***	***2***	T	0.16
Cyclopropane			75-19-4	***10,000***	***1,000***	***3***	F	
Diacetyl peroxide		concentration greater than 70%	110-22-5	5,000 ***note 2***	50*	3		
Diazomethane			334-88-3	500	10	3		
Dibenzoyl peroxide			94-36-0	7,500	75*	3		
Diborane			19287-45-7	100	10	3	T	0.0011

Chemical Name	Alternate Chemical Name	Mixture Description	CAS Number	Threshold Quantity (lbs)	Two Release Quantity (lbs)	Two Release Source note 1	Tox(T) or Flam(F)	Toxic End-point (mg/L)
Dibutyl peroxide (tertiary)			110-05-4	5,000	50*	3		
Dichloro acetylene			7572-29-4	250	10	3		
Dichlorosilane			4109-96-0	2,500	100	3	F	
Diethylzinc			557-20-0	10,000	100*	3		
Difluoroethane			75-37-6	***10,000***	***1,000***	***3***	F	
Diisopropyl peroxydicarbonate			105-64-6	7,500	75*	3		
Dilauroyl peroxide			105-74-8	7,500	75*	3		
Dimethyl sulfide			75-18-3	100	10	3	***T***	***1.27***
Dimethylamine		***anhydrous***	124-40-3	2,500	1,000	1	F	
Dimethyldichlorosilane			75-78-5	1,000	500	2	T	0.026
1,1-Dimethylhydrazine			57-14-7	1,000	10	1 & 2	T	0.012
2,2-Dimethylpropane			463-82-1	***10,000***	***1,000***	***3***	F	
2,4-Dinitroanaline			97-02-9	5,000	50*	3		
Epichlorohydrin			106-89-8	***20,000***	***100***	***1 & 2***	T	0.076
Ethane			74-84-0	***10,000***	***1,000***	***3***	F	
Ethyl acetylene	1-Butyne		107-00-6	***10,000***	***1,000***	***3***	F	
Ethyl chloride			75-00-3	***10,000***	***100***	***1***	F	
Ethyl ether			60-29-7	***10,000***	***100***	***1***	F	
Ethyl mercaptan	Ethanethiol		75-08-1	***10,000***	***1,000***	***3***	F	
Ethyl nitrite			109-95-5	5,000	50*	3	F	
Ethylamine	Ethanamine		75-04-7	7,500	100	1	F	
Ethylene	Ethene		74-85-1	***10,000***	***1,000***	***3***	F	
Ethylene fluorohydrin			371-62-0	100	10	2	***T***	***0.0008***
Ethylene oxide	Oxirane		75-21-8	5,000	10	1 & 2	T	0.090
Ethylenediamine			107-15-3	***20,000***	***5,000***	***1 & 2***	T	0.49

Chemical Name	Alternate Chemical Name	Mixture Description	CAS Number	Threshold Quantity (lbs)	Two Release Quantity (lbs)	Two Release Source note 1	Tox(T) or Flam(F)	Toxic End-point (mg/L)
Ethyleneimine	Aziridine		151-56-4	1,000	1	1 & 2	T	0.018
Fluorine			7782-41-4	100	10	1 & 2	T	0.0039
Formaldehyde		concentration of 37% or greater by weight	50-00-0	1,000 ***note 2***	100	1 & 2	T	0.012
Furan			110-00-9	500	100	1 & 2	T	0.0012
Hexafluoroacetone			684-16-2	5,000	10	3	***T***	***0.0068***
Hydrazine			302-01-2	***15,000***	***1***	***1 & 2***	T	0.011
Hydrochloric acid		37% or greater	7647-01-0	***15,000*** ***note 2***	1,000	3	T	0.030
Hydrofluoric acid		50% or greater	7664-39-3	***1,000*** ***note 2***	100	1	T	0.016
Hydrogen			1333-74-0	***10,000***	***1,000***	***3***	F	
Hydrogen bromide			10035-10-6	5,000	10	3	***T***	***0.01***
Hydrogen chloride		Anhydrous	7647-01-0	5,000	100	3	T	0.030
Hydrogen cyanide	Hydrocyanic acid	Anhydrous	74-90-8	1,000	10	1 & 2	T	0.011
Hydrogen fluoride		Anhydrous	7664-39-3	1,000	100	1 & 2	***T***	***0.016***
Hydrogen peroxide		concentration of 52% or greater by weight	7722-84-1	7,500 ***note 2***	1,000	2		
Hydrogen selenide			7783-07-5	150	10	2	T	0.00066
Hydrogen sulfide			7783-06-4	1,500	100	1 & 2	T	0.042
Hydroxylamine			7803-49-8	2,500	25*	3		
Iron, pentacarbonyl			13463-40-6	250	100	2	T	0.00044
Isobutane	1,1-dimethyl ethane		75-28-5	***10,000***	***1,000***	***3***	F	
Isobutyronitrile			78-82-0	***20,000***	***1,000***	***2***	T	0.14
Isopentane			78-78-4	***10,000***	***1,000***	***3***	F	
Isoprene			78-79-5	***10,000***	***100***	***1***	F	

Chemical Name	Alternate Chemical Name	Mixture Description	CAS Number	Threshold Quantity (lbs)	Two Release Quantity (lbs)	Two Release Source note 1	Tox(T) or Flam(F)	Toxic End-point (mg/L)
Isopropyl chloride	2 - chloropropane		75-29-6	***10,000***	***1,000***	***3***	F	
Isopropyl chloroformate			108-23-6	***15,000***	***1,000***	***2***	T	0.10
Isopropyl formate			625-55-8	500	100	3	***T***	***0.0014***
Isopropylamine			75-31-0	5,000	1,000	3	F	
Ketene			463-51-4	100	10	3	***T***	***0.18***
Mercury			7439-97-6	200,000	5,000	3	***T***	***0.0021***
Methacrylaldehyde			78-85-3	1,000	500	3	***T***	***0.007***
Methacryloyl chloride			920-46-7	150	100	2	***T***	***0.0006***
Methacryloyloxyethyl isocyanate			30674-80-7	100	10	3	***T***	***0.00063***
Methane			74-82-8	***10,000***	***1,000***	***3***	F	
Methyl acrylonitrile	Methacrylonitrile		126-98-7	250	25	3	T	0.0027
Methyl bromide			74-83-9	2,500	500	3	***T***	***0.194***
3-Methyl-1-butene	Isopentene		563-45-1	***10,000***	***1,000***	***3***	F	
2-Methyl-1-butene			563-46-2	***10,000***	***1,000***	***3***	F	
Methyl chloride			74-87-3	15,000	100	1	T	0.82
Methyl chloroformate			79-22-1	500	100	3	T	0.0019
Methyl disulfide			624-92-0	100	10	3	***T***	***0.19***
Methyl ether			115-10-6	***10,000***	***1,000***	***3***	F	
Methyl ethyl ketone peroxide	Ethyl methyl ketone peroxide	concentration greater than 60%	1338-23-4	5,000 ***note 2***	10	1		
Methyl fluoroacetate			453-18-9	100	10	3	***T***	***0.00025***
Methyl fluorosulfate			421-20-5	100	10	3	***T***	***0.00023***
Methyl formate			107-31-3	***10,000***	***1,000***	***3***	F	
Methyl hydrazine			60-34-4	100	10	1 & 2	T	0.0094
Methyl iodide			74-88-4	7,500	100	1	***T***	***0.29***

Chemical Name	Alternate Chemical Name	Mixture Description	CAS Number	Threshold Quantity (lbs)	Two Release Quantity (lbs)	Two Release Source note 1	Tox(T) or Flam(F)	Toxic End-point (mg/L)
Methyl isocyanate			624-83-9	250	10	1 & 2	T	0.0012
Methyl mercaptan			74-93-1	5,000	100	1 & 2	T	0.049
Methyl thiocyanate			556-64-9	***20,000***	***10,000***	***2***	T	0.085
Methyl vinyl ketone			78-94-4	100	10	2	***T***	***0.00007***
Methylamine	Methanamine	Anhydrous	74-89-5	1,000	100	1	F	
2-Methylpropene			115-11-7	***10,000***	***1,000***	***3***	F	
Methyltrichlorosilane			75-79-6	500	50	3	T	0.018
Nickel carbonyl			13463-39-3	150	10	1 & 2	T	0.00067
Nitric acid		80% or greater	7697-37-2	***15,000*** ***note 2***	***1,000***	***1 & 2***	T	0.026
Nitric acid		concentration of 94.5% or greater by weight	7697-37-2	500 ***note 2***	50	3	***T***	***0.026***
Nitric oxide	Nitrogen oxide		10102-43-9	250	10	1 & 2	T	0.031
Nitroaniline	para Nitroaniline		100-01-6	5,000	50*	3		
Nitrogen dioxide			10102-44-0	250	10	1 & 2	***T***	***0.0282***
Nitrogen oxides		NO; NO_2; N_2O_4; N_2O_3	10102-44-0	250	10	3	***T***	***0.0282***
Nitrogen tetroxide			10544-72-6	250	10	1	***T***	***0.0564***
Nitrogen trifluoride			7783-54-2	5,000	1,000	3	***T***	***0.29***
Nitrogen trioxide			10544-73-7	250	10	3	***T***	***0.016***
Nitromethane			75-52-5	2,500	25*	3		
Oleum	Fuming sulfuric acid	65 wt% or greater of SO_3	8014-95-7	1,000	500	3	T	0.010
Osmium tetroxide			20816-12-0	100	10	3	***T***	***0.001***
Oxygen difluoride	Fluorine monoxide		7783-41-7	100	10	3		
Ozone			10028-15-6	100	10	3		
Pentaborane			19624-22-7	100	10	3	***T***	***0.00026***

Chemical Name	Alternate Chemical Name	Mixture Description	CAS Number	Threshold Quantity (lbs)	Two Release Quantity (lbs)	Two Release Source note 1	Tox(T) or Flam(F)	Toxic End-point (mg/L)
1,3-Pentadinene			504-60-9	***10,000***	***100***	***1***	F	
Pentane			109-66-0	***10,000***	***1,000***	***3***	F	
1-Pentene			109-67-1	***10,000***	***1,000***	***3***	F	
2-Pentene, (E)-			646-04-8	***10,000***	***1,000***	***3***	F	
2-Pentene, (Z)-			627-20-3	***10,000***	***1,000***	***3***	F	
Peracetic acid	Peroxyacetic acid	concentration greater than 60% acetic acid	79-21-0	1,000 ***note 2***	500	2	T	0.0045
Perchloric acid		concentration greater than 60% by weight	7601-90-3	5,000 ***note 2***	50*	3		
Perchloromethyl mercaptan			594-42-3	150	100	1 & 2	T	0.0076
Perchloryl fluoride			7616-94-6	5,000	100	3	***T***	***0.042***
Phosgene	Carbonyl chloride		75-44-5	100	10	1 & 2	T	0.00081
Phosphine	Hydrogen phosphide		7803-51-2	100	10	3	T	0.0035
Phosphorus oxychloride	Phosphoryl chloride		10025-87-3	1,000	500	3	T	0.0030
Phosphorus trichloride			7719-12-2	1,000	500	3	T	0.028
Piperidine			110-89-4	***15,000***	***1,000***	***2***	T	0.022
Propadiene	1,2 Propadiene		463-49-0	***10,000***	***1,000***	***3***	F	
Propane			74-98-6	***10,000***	***1,000***	***3***	F	
Propargyl bromide	3-Bromopropyne		106-96-7	100	10	2	***T***	***0.00003***
Propionitrile			107-12-0	***10,000***	***10***	***1 & 2***	T	0.0037
Propyl chloroformate			109-61-5	***15,000***	***500***	***2***	T	0.010
Propyl nitrate			627-13-4	100	25*	3		
Propylene	1 Propene		115-07-1	***10,000***	***1,000***	***3***	F	
Propylene oxide			75-56-9	***10,000***	***100***	***1 & 2***	T	0.59
Propyleneimine			75-55-8	***10,000***	***1***	***1 & 2***	T	0.12

Chemical Name	Alternate Chemical Name	Mixture Description	CAS Number	Threshold Quantity (lbs)	Two Release Quantity (lbs)	Two Release Source note 1	Tox(T) or Flam(F)	Toxic End-point (mg/L)
Propyne	1-Propyne		74-99-7	***10,000***	***1,000***	***3***	F	
Sarin			107-44-8	100	10	2	***T***	***0.00006***
Selenium hexafluoride			7783-79-1	1,000	1	1	***T***	***0.0016***
Silane			7803-62-5	***10,000***	***1,000***	***3***	F	
Stibine	Antimony hydride		7803-52-3	500	10	3	***T***	***0.0026***
Sulfur dioxide		Anhydrous	7446-09-5	1,000	100	3	T	0.0078
Sulfur pentafluoride			5714-22-7	250	10	3	***T***	***0.001***
Sulfur tetrafluoride			7783-60-0	250	10	3	T	0.0092
Sulfur trioxide	Sulfuric Anhydride		7446-11-9	1,000	100	2	T	0.010
Tellurium hexafluoride			7783-80-4	250	10	3	***T***	***0.0009***
Tetrafluoroethylene			116-14-3	5,000	1,000	3	F	
Tetrafluorohydrazine			10036-47-2	5,000	500	3	***T***	***0.0213***
Tetramethyl Lead			75-74-1	1,000	100	2	T	0.0040
Tetramethylsilane			75-76-3	***10,000***	***1,000***	***3***	F	
Tetranitromethane			509-14-8	***10,000***	***10***	***2***	T	0.0040
Thionyl chloride			7719-09-7	250	100	3	***T***	***0.0097***
Titanium tetrachloride			7550-45-0	2,500	1,000	1 & 2	T	0.020
Toluene 2,4-diisocyanate			584-84-9	***10,000***	***100***	***1 & 2***	T	0.0070
Toluene 2,6-diisocyanate			91-08-7	***10,000***	***100***	***1 & 2***	T	0.0070
Toluene diisocyanate			26471-62-5	***10,000***	***100***	***1 & 2***	T	0.0070
Trichloro(chloromethyl) silane			1558-25-4	100	10	3	***T***	***0.0003***
Trichloro(dichlorophenyl) silane			27137-85-5	2,500	500	2	***T***	***0.008***

Chemical Name	Alternate Chemical Name	Mixture Description	CAS Number	Threshold Quantity (lbs)	Two Release Quantity (lbs)	Two Release Source note 1	Tox(T) or Flam(F)	Toxic End-point (mg/L)
Trichlorosilane			10025-78-2	5,000	500	3	F	
Trifluorochloroethylene			79-38-9	10,000	500	3	F	
Trimethoxysilane			2487-90-3	1,500	500	3	***T***	***0.01***
Trimethylamine			75-50-3	***10,000***	***100***	***1***	F	
Trimethylchlorosilane			75-77-4	***10,000***	***500***	***2***	T	0.050
Vinyl acetate monomer			108-05-4	***15,000***	***1,500***	***3***	T	0.26
Vinyl acetylene			689-97-4	***10,000***	***1,000***	***3***	F	
Vinyl chloride			75-01-4	***10,000***	***1***	***1***	F	
Vinyl ethyl ether			109-92-2	***10,000***	***1,000***	***3***	F	
Vinyl fluoride			75-02-5	***10,000***	***1,000***	***3***	F	
Vinyl methyl ether			107-25-5	***10,000***	***1,000***	***3***	F	
Vinylidene chloride			75-35-4	***10,000***	***100***	***1***	F	
Vinylidene fluoride			75-38-7	***10,000***	***1,000***	***3***	F	

Table Notes:
Note 1: For Two Release Source Column: 1 = RQ as listed in 40 C.F.R. Part 302; 2 = RQ as listed in 40 C.F.R. Part 355; 3 = Two Release Quantity as determined in "Technical Basis Document for C.A.P.P. Two Release Quantities and Toxic Endpoints."
Note 2: The threshold quantity must be applied to the fraction of the chemical in the actual mixture.
* These substances must be involved in a fire or explosion to qualify as a release pursuant to ***subparagraph (2) of*** paragraph ***(a)*** of subsection 1 of NAC 459.95323.