

## Chemical of Interest (COI)-Theft/Diversion List

*DHS - Chemical Facility Anti-Terrorism Standard (CFAT)*

Chemical Of Interest	CAS #	Minimum Concentration
Aluminum (powder)	7429-90-5	ACG
Ammonium nitrate, [with more than 0.2 percent combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance]	6484-52-2	ACG
Ammonium nitrate, solid [nitrogen concentration of 23% nitrogen or greater]	6484-52-2	33
Ammonium perchlorate	7790-98-9	ACG
Ammonium picrate	131-74-8	ACG
Arsenic trichloride	7784-34-1	30
Arsine	7784-42-1	0.67
Barium azide	18810-58-7	ACG
1,4-Bis(2-chloroethylthio)-n-butane	142868-93-7	n/a
Bis(2-chloroethylthio)methane	63869-13-6	n/a
Bis(2-chloroethylthiomethyl)ether	63918-90-1	n/a
1,5-Bis(2-chloroethylthio)-n-pentane	142868-94-8	n/a
1,3-Bis(2-chloroethylthio)-n-propane	63905-10-2	n/a
Boron tribromide	10294-33-4	12.67
Boron trichloride	10294-34-5	84.7
Boron trifluoride	7637-07-2	26.87
Bromine chloride	13863-41-7	9.67
Bromine trifluoride	7787-71-5	6
Carbonyl fluoride	353-50-4	12
Carbonyl sulfide	463-58-1	56.67
Chlorine	7782-50-5	9.77
Chlorine pentafluoride	13637-63-3	4.07
Chlorine trifluoride	7790-91-2	9.97
2-Chloroethylchloro-methylsulfide	2625-76-5	n/a
Chlorosarin	1445-76-7	n/a
Chlorosoman	7040-57-5	n/a
Cyanogen	460-19-5	11.67
Cyanogen chloride	506-77-4	2.67
DF (Methyl phosphonic difluoride)	676-99-3	n/a
Diazodinitrophenol	87-31-0	ACG
Diborane	19287-45-7	2.67

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Dichlorosilane	4109-96-0	10.47
N,N-(2-diethylamino)ethanethiol	100-38-9	30
o,o-Diethyl S-[2-(diethylamino)ethyl] phosphorothiolate	78-53-5	30
Diethyleneglycol dinitrate	693-21-0	ACG
Diethyl methylphosphonite	15715-41-0	30
N,N-Diethyl phosphoramidic dichloride	1498-54-0	30
N,N-(2-diisopropylamino)ethanethiol	5842-07-9	30
N,N-Diisopropyl phosphoramidic dichloride	23306-80-1	30
N,N-(2-dimethylamino)ethanethiol	108-02-1	30
N,N-Dimethyl phosphoramidic dichloride	677-43-0	30
Dingu	55510-04-8	ACG
Dinitrogen tetroxide	10544-72-6	3.8
Dinitrophenol	25550-58-7	ACG
Dinitroresorcinol	519-44-8	ACG
Dipicryl sulfide	2217-06-3	ACG
Dipicrylamine [or] Hexyl	131-73-7	ACG
N,N-(2-dipropylamino)ethanethiol	5842-06-8	30
N,N-Dipropyl phosphoramidic dichloride	40881-98-9	30
Ethyl phosphonyl difluoride	753-98-0	n/a
Ethyldiethanolamine	139-87-7	80
Ethylphosphonothioic dichloride	993-43-1	30
Fluorine	7782-41-4	6.17
Germane	7782-65-2	20.73
Germanium tetrafluoride	7783-58-6	2.11
Guanyl nitrosaminoguanilydene hydrazine		ACG
Hexaethyl tetraphosphate and compressed gas mixtures	757-58-4	33.37
Hexafluoroacetone	684-16-2	15.67
Hexanitrostilbene	20062-22-0	ACG
Hexolite	121-82-4	ACG
HMX	2691-41-0	ACG
HN1 (nitrogen mustard-1)	538-07-8	n/a
HN2 (nitrogen mustard-2)	51-75-2	n/a
HN3 (nitrogen mustard-3)	555-77-1	n/a
Hydrogen bromide (anhydrous)	10035-10-6	95.33
Hydrogen chloride (anhydrous)	7647-01-0	ACG
Hydrogen cyanide	74-90-8	4.67
Hydrogen fluoride (anhydrous)	7664-39-3	42.53
Hydrogen iodide, anhydrous	10034-85-2	95.33
Hydrogen peroxide (concentration of at least 35%)	7722-84-1	35
Hydrogen selenide	7783-07-5	0.07

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Hydrogen sulfide	7783-06-4	23.73
Isopropylphosphonothioic dichloride	1498-60-8	30
Isopropylphosphonyl difluoride	677-42-9	n/a
Lead azide	13424-46-9	ACG
Lead styphnate	15245-44-0	ACG
Lewisite 1	541-25-3	n/a
Lewisite 2	40334-69-8	n/a
Lewisite 3	40334-70-1	n/a
Magnesium (powder)	7439-95-4	ACG
MDEA	105-59-9	80
Mercury fulminate	628-86-4	ACG
Methyl mercaptan	74-93-1	45
Methylchlorosilane	993-00-0	20
Methylphosphonothioic dichloride	676-98-2	30
Sulfur mustard (Mustard gas (H))	505-60-2	n/a
O-Mustard (T)	63918-89-8	n/a
Nitric acid	7697-37-2	68
Nitric oxide	10102-43-9	3.83
Nitrobenzene	98-95-3	ACG
5-Nitrobenzotriazol	2338-12-7	ACG
Nitrocellulose	9004-70-0	ACG
Nitrogen mustard hydrochloride	55-86-7	30
Nitrogen trioxide	10544-73-7	3.83
Nitroglycerine	55-63-0	ACG
Nitromannite	15825-70-4	ACG
Nitromethane	75-52-5	ACG
Nitrostarch	9056-38-6	ACG
Nitrosyl chloride	2696-92-6	1.17
Nitrotriazolone	932-64-9	ACG
Octolite	57607-37-1	ACG
Octonal	78413-87-3	ACG
Oxygen difluoride	7783-41-7	0.09
Pentolite	8066-33-9	ACG
Perchloryl fluoride	7616-94-6	25.67
PETN	78-11-5	ACG
Phosgene	75-44-5	0.17
Phosphine	7803-51-2	0.67
Phosphorus	7723-14-0	ACG
Phosphorus oxychloride	10025-87-3	80
Phosphorus trichloride	7719-12-2	3.48

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Picrite	556-88-7	ACG
Potassium chlorate	3811-04-9	ACG
Potassium nitrate	7757-79-1	ACG
Potassium perchlorate	7778-74-7	ACG
Potassium permanganate	7722-64-7	ACG
Propylphosphonothioic dichloride	2524-01-8	30
Propylphosphonyl difluoride	690-14-2	n/a
QL	57856-11-8	n/a
RDX	121-82-4	ACG
RDX and HMX mixtures	121-82-4	ACG
Sarin	107-44-8	n/a
Selenium hexafluoride	7783-79-1	1.67
Sesquimustard	3563-36-8	n/a
Silicon tetrafluoride	7783-61-1	15
Sodium azide	26628-22-8	ACG
Sodium chlorate	7775-09-9	ACG
Sodium nitrate	7631-99-4	ACG
Soman	96-64-0	n/a
Stibine	7803-52-3	0.67
Sulfur dioxide (anhydrous)	7446-09-5	84
Sulfur tetrafluoride	7783-60-0	1.33
Tabun	77-81-6	n/a
Tellurium hexafluoride	7783-80-4	0.83
Tetranitroaniline	53014-37-2	ACG
Tetrazene	109-27-3	ACG
1H-Tetrazole	288-94-8	ACG
Thiodiglycol	111-48-8	30
Titanium tetrachloride	7550-45-0	13.33
TNT	118-96-7	ACG
Torpex	67713-16-0	ACG
Triethanolamine	102-71-6	80
Triethanolamine hydrochloride	637-39-8	80
Triethyl phosphite	122-52-1	80
Trifluoroacetyl chloride	354-32-5	6.93
Trifluorochloroethylene	79-38-9	66.67
Trimethyl phosphite	121-45-9	80
Trinitroaniline	26952-42-1	ACG
Trinitroanisole	606-35-9	ACG
Trinitrobenzene	99-35-4	ACG
Trinitrobenzenesulfonic acid	2508-19-2	ACG

Chemical Of Interest	CAS #	Minimum Concentration
Trinitrobenzoic acid	129-66-8	ACG
Trinitrochlorobenzene	88-88-0	ACG
Trinitrofluorenone	129-79-3	ACG
Trinitro-meta-cresol	602-99-3	ACG
Trinitronaphthalene	55810-17-8	ACG
Trinitrophenetole	4732-14-3	ACG
Trinitrophenol	88-89-1	ACG
Trinitroresorcinol	82-71-3	ACG
Tritonal	54413-15-9	ACG
Tungsten hexafluoride	7783-82-6	7.1
VX	50782-69-9	n/a

ACG = A Commercial Grade