

Department of Homeland Security Chemicals of Interest

Chemical Of Interest	Synonym	CAS#
1,3-Bis(2-chloroethylthio)-n-propane		63905-10-2
1,4-Bis(2-chloroethylthio)-n-butane		142868-93-7
1,5-Bis(2-chloroethylthio)-n-pentane		142868-94-8
1H-Tetrazole		288-94-8
2-Chloroethylchloro-methylsulfide		2625-76-5
5-Nitrobenzotriazol		12/7/2338
Abrin		1393-62-0
Acetone cyanohydrin, stabilized		75-86-5
Aluminum (powder)		7429-90-5
Aluminum phosphide		20859-73-8
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
Ammonium nitrate, solid [nitrogen concentration of 23% nitrogen or greater]		6484-52-2
Ammonium perchlorate		7790-98-9
Ammonium picrate		131-74-8
Arsenic trichloride	[Arsenous trichloride]	7784-34-1
Arsine *		7784-42-1
Barium azide		18810-58-7
Bis(2-chloroethylthio)methane		63869-13-6
Bis(2-chloroethylthiomethyl)ether		63918-90-1
Boron tribromide		10294-33-4
Boron trichloride *	[Borane, trichloro]	10294-34-5
Boron trifluoride *	[Borane, trifluoro]	7/2/7637
Botulinum neurotoxins		
Bromine chloride *		13863-41-7
Bromine trifluoride		7787-71-5
C. pefringens epsilon toxin		
Carbonyl fluoride *		353-50-4
Carbonyl sulfide *		463-58-1
Chlorine *		7782-50-5
Chlorine pentafluoride *		13637-63-3
Chlorine trifluoride *		7790-91-2
Chlorosarin	[o-Isopropyl methylphosphonochloridate]	1445-76-7
Chlorosoman	[o-Pinacolyl methylphosphonochloridate]	7040-57-5
Conotoxin		
Cyanogen *	[Ethanedinitrile]	460-19-5
Cyanogen chloride *		506-77-4
DF	Methyl phosphonyl difluoride	676-99-3
Diacetoxyscirpenol		2270-40-8
Diazodinitrophenol		87-31-0
Diborane *		19287-45-7
Dichlorosilane *	[Silane, dichloro-]	4109-96-0
Diethyl methylphosphonite		15715-41-0
Diethyleneglycol dinitrate		693-21-0
Dingu	[Dinitroglycoluril]	55510-04-8
Dinitrogen tetroxide *		10544-72-6
Dinitrophenol		25550-58-7
Dinitroresorcinol		519-44-8
Dipicryl sulfide		6/3/2217
Dipicrylamine [or] Hexyl	[Hexanitrodiphenylamine]	131-73-7
Ethyl phosphonyl difluoride		753-98-0
Ethyl-diethanolamine		139-87-7
Ethylphosphonothioic dichloride		993-43-1
Fluorine *		7782-41-4
Germane *		7782-65-2
Germanium tetrafluoride *		7783-58-6
Guanyl nitrosaminoguanilydene hydrazine		
Hexaethyl tetraphosphate and compressed gas mixtures		757-58-4
Hexafluoroacetone *		684-16-2
Hexanitrostilbene		20062-22-0
Hexolite	[Hexotol]	121-82-4

HMX	[Cyclotetramethylene-tetranitramine]	2691-41-0
HN1 (nitrogen mustard-1)	[Bis(2-chloroethyl)ethylamine]	538-07-8
HN2 (nitrogen mustard-2)	[Bis(2-chloroethyl)methylamine]	51-75-2
HN3 (nitrogen mustard-3)	[Tris(2-chloroethyl)amine]	555-77-1
Hydrogen bromide (anhydrous) *		10035-10-6
Hydrogen chloride (anhydrous) *		7647-01-0
Hydrogen cyanide *	[Hydrocyanic acid]	74-90-8
Hydrogen fluoride (anhydrous) *		7664-39-3
Hydrogen iodide, anhydrous *		10034-85-2
Hydrogen peroxide (concentration of at least 35%)		7722-84-1
Hydrogen selenide *		7/5/7783
Hydrogen sulfide *		6/4/7783
Isopropylphosphonothioic dichloride		1498-60-8
Isopropylphosphonyl difluoride		677-42-9
Lead azide		13424-46-9
Lead styphnate	[Lead trinitroresorcinat]	15245-44-0
Lewisite 1	[2-Chlorovinylchloroarsine]	541-25-3
Lewisite 2	[Bis(2-chlorovinyl)chloroarsine]	40334-69-8
Lewisite 3	[Tris(2-chlorovinyl)arsine]	40334-70-1
Magnesium (powder)		7439-95-4
MDEA	[Methyldiethanolamine]	105-59-9
Mercury fulminate		628-86-4
Methyl mercaptan *	[Methanethiol]	74-93-1
Methylchlorosilane *		993-00-0
Methylphosphonothioic dichloride		676-98-2
N,N-(2-diethylamino)ethanethiol		100-38-9
N,N-(2-diisopropylamino)ethanethiol	N,N-diisopropyl-(beta)-aminoethane thiol	7/9/5842
N,N-(2-dimethylamino)ethanethiol		108-02-1
N,N-(2-dipropylamino)ethanethiol		6/8/5842
N,N-Diethyl phosphoramidic dichloride		1498-54-0
N,N-Diisopropyl phosphoramidic dichloride		23306-80-1
N,N-Dimethyl phosphoramidic dichloride	[Dimethylphosphoramido-dichloridate]	677-43-0
N,N-Dipropyl phosphoramidic dichloride		40881-98-9
Nitric acid		7697-37-2
Nitric oxide *	[Nitrogen oxide (NO)]	10102-43-9
Nitrobenzene		98-95-3
Nitrocellulose		9004-70-0
Nitrogen mustard hydrochloride *	[Bis(2-chloroethyl)methylamine hydrochloride]	55-86-7
Nitrogen trioxide *		10544-73-7
Nitroglycerine		55-63-0
Nitromannite	[Mannitol hexanitrate, wetted]	15825-70-4
Nitromethane		75-52-5
Nitrostarch		9056-38-6
Nitrosyl chloride *		2696-92-6
Nitrotriazolone		932-64-9
O,o-Diethyl S-[2-(diethylamino)ethyl] phosphorothiolate		78-53-5
Octolite		57607-37-1
Octonal		78413-87-3
O-Mustard (T)	[Bis(2-chloroethylthioethyl)ether]	63918-89-8
Oxygen difluoride *		7783-41-7
Pentolite		8066-33-9
Perchloryl fluoride *		7616-94-6
PETN	[Pentaerythritol tetranitrate]	78-11-5
Phosgene *	[Carbonic dichloride] or [carbonyldichloride]	75-44-5
Phosphine *		7803-51-2
Phosphorus		7723-14-0
Phosphorus oxychloride	[Phosphoryl chloride]	10025-87-3
Phosphorus pentasulfide		1314-80-3
Phosphorus trichloride		12/2/7719
Picrite	[Nitroguanidine]	556-88-7
Potassium chlorate		4/9/3811
Potassium nitrate		7757-79-1
Potassium perchlorate		7778-74-7
Potassium permanganate		7722-64-7
Propylphosphonothioic dichloride		1/8/2524
Propylphosphonyl difluoride		690-14-2

QL	[o-Ethyl-o-2-diisopropylaminoethyl methylphosphonite]	57856-11-8
RDX	[Cyclotrimethylenetrinitramine]	121-82-4
RDX and HMX mixtures		121-82-4
Ricin		9009-86-3
Sarin	[o-Isopropyl methylphosphonofluoridate]	107-44-8
Selenium hexafluoride		7783-79-1
Sesquimustard *	[1,2-Bis(2-chloroethylthio)ethane]	3563-36-8
Shigatoxin		75757-64-1
Silicon tetrafluoride *		7783-61-1
Saxitoxin		
Sodium azide		26628-22-8
Sodium chlorate		9/9/7775
Sodium nitrate		7631-99-4
Soman	[o-Pinacolyl methylphosphonofluoridate]	96-64-0
Stibine *		7803-52-3
Staphylococcal enterotoxins		
Sulfur dioxide (anhydrous) *		9/5/7446
Sulfur mustard (Mustard gas (H))	[Bis(2-chloroethyl)sulfide]	505-60-2
Sulfur tetrafluoride *	[Sulfur fluoride (SF ₄), (T-4)-]	7783-60-0
T-2		21259-20-1
Tabun	[o-Ethyl-N,N-dimethylphosphoramido-cyanidate]	77-81-6
Tellurium hexafluoride *		7783-80-4
Tetranitroaniline		53014-37-2
Tetrazene	[Guanyl nitrosaminoguanyltetrazene]	109-27-3
Tetrodotoxin		4368-28-9
Thiodiglycol	[Bis(2-hydroxyethyl)sulfide]	111-48-8
Titanium tetrachloride	[Titanium chloride (TiCl ₄) (T-4)-]	7550-45-0
TNT	[Trinitrotoluene]	118-96-7
Torpex	[Hexotonal]	67713-16-0
Triethanolamine		102-71-6
Triethanolamine hydrochloride		637-39-8
Triethyl phosphite		122-52-1
Trifluoroacetyl chloride *		354-32-5
Trifluorochloroethylene *	[Ethene, chlorotrifluoro]	79-38-9
Trimethyl phosphite		121-45-9
Trinitroaniline		26952-42-1
Trinitroanisole		606-35-9
Trinitrobenzene		99-35-4
Trinitrobenzenesulfonic acid		2508-19-2
Trinitrobenzoic acid		129-66-8
Trinitrochlorobenzene		88-88-0
Trinitrofluorenone		129-79-3
Trinitro-meta-cresol		602-99-3
Trinitronaphthalene		55810-17-8
Trinitrophenetole		4732-14-3
Trinitrophenol	Picric acid	88-89-1
Trinitroresorcinol		82-71-3
Tritonal		54413-15-9
Tungsten hexafluoride *		7783-82-6
VX	[o-Ethyl-S-2-diisopropylaminoethyl methyl phosphonothiolate]	50782-69-9