

**Department of Homeland Security Chemicals of Interest:
MIT Short List of COIs With Low Threshold Values**

Chemical of Interest	Synonym	CAS Number
1,4-bis(2-chloroethylthio)-n-butane		142868-93-7
bis(2-chloroethylthio)methane		63869-13-6
bis(2-chloroethylthioethyl)ether		63918-89-8
1,5-bis(2-chloroethylthio)-n-pentane		142868-94-8
1,3-bis(2-chloroethylthio)-n-propane		63905-10-2
2-chloroethylchloromethylsulfide		2625-76-5
Chlorosarin		1445-76-7
Chlorosoman		7040-57-5
DF	Methyl phosphonyl difluoride	676-99-3
N,N-(2-diethylamino)ethanethiol		100-38-9
o,o-Diethyl S-[2-(diethylamino)ethyl] phosphorothiolate		78-53-5
Diethyl methylphosphonate		15715-41-0
N,N-Diethyl phosphoramidic dichloride		1498-54-0
N,N-(2-diisopropylamino)ethanethiol		5842-07-9
N,N-Diisopropyl phosphoramidic dichloride		23306-80-1
N,N-(2-dimethylamino)ethanethiol		108-02-1
N,N-Dimethyl phosphoramidic dichloride		677-43-0
N,N-(2-dipropylamino)ethanethiol		5842-06-8
Ethyl phosphonyl difluoride		753-98-0
Ethylphosphonothioic dichloride		993-43-1
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
Isopropylphosphonothioic dichloride		1498-60-8
Isopropylphosphonyl difluoride		677-42-9
Lewisite 1	2-Chlorovinyl dichloroarsine	541-25-3
Lewisite 2	Bis (2-Chlorovinyl)chloroarsine	40334-69-8
Lewisite 3	Tris (2-Chlorovinyl)chloroarsine	40334-70-1
Methylphosphonothioic dichloride		676-98-2
Sulfur Mustard (mustard gas (H))	Bis (2-chloroethyl) sulfide	505-60-2

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O-Mustard (T)	Bis (2-chloroethyl) ether	63918-89-8
Nitrogen mustard hydrochloride	Bis (2-chloroethyl)methylamine hydrochloride	55-86-7
Propylphosphonothioic dichloride		2524-01-8
Propylphosphonyl difluoride		690-14-2
Sarin	o-Isopropyl methylphosphonofluoridate	107-44-8
Sesquimustard	1,2-Bis(2-chloroethylthio) ethane	3563-36-8
Soman	o-Pinacolyl methylphosphonofluoridate	96-64-0
Tabun	o-Ethyl-N,N-dimethylphosphoramido-cyanidate	77-81-6
Thiodiglycol		111-48-8
VX	o-ethyl-S-2-diisopropylaminoethyl methyl phosphonothiolate	50782-69-9