

**Appendix A to Part 27. -- DHS Chemicals of Interest <sup>1</sup>**

Chemicals of Interest (COI)	Synonym	Chemical Abstract Service (CAS) #	Release		Theft		Sabotage		Security Issue							
			Minimum Concentration (%)	Screening Threshold Quantities (in pounds)	Minimum Concentration (%)	Screening Threshold Quantities (in pounds unless otherwise noted)	Minimum Concentration (%)	Screening Threshold Quantities	Release - Flammables	Release - Explosives	Theft - CW/CWP	Theft - WME	Theft - EXP/IEDP	Sabotage/Contamination		
Ethyl nitrite	[Nitrous acid, ethyl ester]	109-95-5	1.00	10,000					X							
Ethyl phosphonyl difluoride		753-98-0			CUM 100g								X			
Ethylamine	[Ethanamine]	75-04-7	1.00	10,000					X							
Ethyldiethanolamine		139-87-7			80.00	220							X			
Ethylene	[Ethene]	74-85-1	1.00	10,000					X							
Ethylene oxide	[Oxirane]	75-21-8	1.00	10,000					X							
Ethylenediamine	[1,2-Ethanediamine]	107-15-3	1.00	20,000					X							
Ethyleneimine	[Aziridine]	151-56-4	1.00	10,000					X							
Ethylphosphonothioic dichloride		993-43-1			30.00	2.2							X			
Ethyltrichlorosilane		115-21-9						ACG	APA					X		X
Fluorine		7782-41-4	1.00	1,000	6.17	15								X		
Fluosulfonic acid		7789-21-1						ACG	APA							X
Formaldehyde (solution)		50-00-0	1.00	15,000					X							
Furan		110-00-9	1.00	10,000									X			
Germane		7782-65-2			20.73	45								X		
Germanium tetrafluoride		7783-58-6			2.11	15								X		
Guanyl nitrosaminoguanilydene hydrazine			ACG	5,000	ACG	400							X			X
Hexaethyl tetraphosphate and compressed gas mixtures		757-58-4			33.37	500								X		
Hexafluoroacetone		684-16-2			15.67	45								X		
Hexanitrostilbene		20062-22-0	ACG	5,000	ACG	400							X			X
Hexolite	[Hexotol]	121-82-4	ACG	5,000	ACG	400							X			X
Hexyltrichlorosilane		928-65-4						ACG	APA							X
HMX	[Cyclotetramethylene-tetranitramine]	2691-41-0	ACG	5,000	ACG	400							X			X