



Federal Register

**Tuesday,
November 20, 2007**

Part II

Department of Homeland Security

6 CFR Part 27

**Appendix to Chemical Facility Anti-
Terrorism Standards; Final Rule**

Appendix A to Part 27. -- DHS Chemicals of Interest ¹

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 - Toxic	Release - Flammables	Release - Explosives	Theft - CW/CWP	Theft - WME	Theft - EXP/IEDP	Sabotage/Contamination		
Chlorosarin	[o-Isopropyl methylphosphonochloridate]	1445-76-7			CUM 100g						X						
Chlorosoman	[o-Pinacoyl methylphosphonochloridate]	7040-57-5			CUM 100g						X						
Chlorosulfonic acid		7790-94-5															X
Chromium oxychloride		14977-61-8						ACG	APA								X
Crotonaldehyde	[2-Butenal]	4170-30-3	1.00	10,000									X				
Crotonaldehyde, (E)-	[2-Butenal], (E)-	123-73-9	1.00	10,000									X				
Cyanogen	[Ethanedinitrile]	460-19-5	1.00	10,000	11.67	45							X				
Cyanogen chloride		506-77-4	1.00	10,000	2.67	15							X				
Cyclohexylamine	[Cyclohexanamine]	108-91-8	1.00	15,000									X				
Cyclohexyltrichlorosilane		98-12-4						ACG	APA								X
Cyclopropane		75-19-4	1.00	10,000									X				
DF	Methyl phosphonyl difluoride	676-99-3					CUM 100g										
Diazodinitrophenol		87-31-0	ACG	5,000	ACG	400							X				
Diborane		19287-45-7	1.00	2,500	2.67	15							X				
Dichlorosilane	[Silane, dichloro-]	4109-96-0	1.00	10,000	10.47	45							X				
N,N-(2-diethylamino)ethanethiol		100-38-9			30.00	2.2							X				
Diethylchlorosilane		1719-53-5															X
o,o-Diethyl S-[2-(diethylamino)ethyl] phosphorothioate		78-53-5			30.00	2.2		ACG	APA				X				
Diethyleneglycol dinitrate		693-21-0	ACG	5,000	ACG	400							X				
Diethyl methylphosphonite		15715-41-0			30.00	2.2							X				
N,N-Diethyl phosphoramidic dichloride		1498-54-0			30.00	2.2							X				
N,N-(2-diisopropylamino)ethanethiol	N,N-diisopropyl-(beta)-aminoethane thiol	5842-07-9			30.00	2.2							X				

Appendix A to Part 27. -- DHS Chemicals of Interest¹

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 – Toxic	Release – Flammables	Release – Explosives	Theft – CW/CWP	Theft – WME	Theft – EXP/IEDP	Sabotage/Contamination			
Difluoroethane	[Ethane, 1,1-difluoro-]	75-37-6	1.00	10,000	30.00				X									
N,N-Diisopropyl phosphoramidic dichloride		23306-80-1				2.2									X			
1,1-Dimethylhydrazine	[Hydrazine, 1, 1-dimethyl-]	57-14-7	1.00	10,000									X					
Dimethylamine	[Methanamine, N-methyl-]	124-40-3	1.00	10,000					X									
N,N-(2- dimethylamino)ethanethiol		108-02-1			30.00	2.2								X				
Dimethyldichlorosilane	[Silane, dichlorodimethyl-]	75-78-5	1.00	10,000			ACG	APA	X									X
N,N-Dimethyl phosphoramidic dichloride	[Dimethylphosphoramido- dichloridate]	677-43-0			30.00	2.2								X				
2,2-Dimethylpropane	[Propane, 2,2-dimethyl-]	463-82-1	1.00	10,000					X									
Dingu	[Dinitroglycoluril]	55510-04-8	ACG	5,000	ACG	400								X				
Dinitrogen tetroxide		10544-72-6			3.80	15								X				
Dinitrophenol		25550-56-7	ACG	5,000	ACG	400								X				
Dinitroresorcinol		519-44-8	ACG	5,000	ACG	400								X				
Diphenyldichlorosilane		80-10-4					ACG	APA										X
Dipicryl sulfide		2217-06-3	ACG	5,000	ACG	400								X				
Dipicrylamine [or] Hexyl	[Hexanitrodiphenylamine]	131-73-7	ACG	5,000	ACG	400								X				
N,N-(2- dipropylamino)ethanethiol		5842-06-8			30.00	2.2										X		
N,N-Dipropyl phosphoramidic dichloride		40881-98-9			30.00	2.2										X		
Dodecyltrichlorosilane		4484-72-4																X
Epichlorohydrin	[Oxirane, (chloromethyl)-]	106-89-8	1.00	20,000										X				
Ethane		74-84-0	1.00	10,000											X			
Ethyl acetylene	[1-Butyne]	107-00-6	1.00	10,000											X			
Ethyl chloride	[Ethane, chloro-]	75-00-3	1.00	10,000											X			
Ethyl ether	[Ethane, 1,1-oxybis-]	60-29-7	1.00	10,000											X			
Ethyl mercaptan	[Ethanethiol]	75-08-1	1.00	10,000											X			

Appendix A to Part 27. -- DHS Chemicals of Interest ¹

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 - Toxic	Release - Flammables	Release - Explosives	Theft - CW/CWP	Theft - WME	Theft - EXP/IEDP	Sabotage/Contamination		
Isopropyl chloride	[Propane, 2-chloro-]	75-29-6	1.00	10,000					X								
Isopropyl chloroformate	[Carbonochloridic acid, 1-methylethyl ester]	108-23-6	1.00	15,000					X								
Isopropylamine	[2-Propanamine]	75-31-0	1.00	10,000					X								
Isopropylphosphonothioic dichloride		1498-60-8			30.00	2.2						X					
Isopropylphosphonyl difluoride		677-42-9				CUM 100g								X			
Lead azide		13424-46-9	ACG	5,000	ACG	400								X			
Lead styphnate	[Lead trinitroresorcinate]	15245-44-0	ACG	5,000	ACG	400								X			
Lewisite 1	[2-Chlorovinyl]dichloroarsine]	541-25-3				CUM 100g								X			
Lewisite 2	[Bis(2-chlorovinyl)chloroarsine]	40334-69-8				CUM 100g								X			
Lewisite 3	[Tris(2-chlorovinyl)arsine]	40334-70-1				CUM 100g								X			
Lithium amide		7782-89-0										ACG	APA				X
Lithium nitride		26134-62-3										ACG	APA				X
Magnesium (powder)		7439-95-4				ACG	100										X
Magnesium diamide		7803-54-5										ACG	APA				X
Magnesium phosphide		12057-74-8										ACG	APA				X
MDEA	[Methyldiethanolamine]	105-59-9				80.00	220										
Mercury fulminate		628-86-4	ACG	5,000	ACG	400								X			
Methacrylonitrile	[2-Propenenitrile, 2-methyl-]	126-98-7	1.00	10,000										X			
Methane		74-82-8	1.00	10,000										X			
2-Methyl-1-butene		563-46-2	1.00	10,000										X			
3-Methyl-1-butene		563-45-1	1.00	10,000										X			
Methyl chloride	[Methane, chloro-]	74-87-3	1.00	10,000										X			
Methyl chloroformate	[Carbonochloridic acid, methyl ester]	79-22-1	1.00	10,000										X			
Methyl ether	[Methane, oxybis-]	115-10-6	1.00	10,000										X			
Methyl formate	[Formic acid Methyl ester]	107-31-3	1.00	10,000										X			

Appendix A to Part 27. -- DHS Chemicals of Interest ¹

Chemicals of Interest (COI)	Synonym	Chemical Abstract Service (CAS) #	Release		Theft		Sabotage		Security Issue							
			Minimum Concentration (%)	Screening Threshold (in pounds)	Minimum Concentration (%)	Screening Threshold (in pounds unless otherwise noted)	Minimum Concentration (%)	Screening Threshold	Release - Toxic	Release - Flammables	Release - Explosives	Theft - CW/CWP	Theft - WME	Theft - EXP/IEDP	Sabotage/Contamination	
Nitrotriazolone		932-64-9	ACG	5,000	ACG	400				X					X	
Nonyltrichlorosilane		5283-67-0					ACG	APA								X
Octadecyltrichlorosilane		112-04-9						ACG	APA							X
Octolite		57607-37-1	ACG	5,000	ACG	400									X	
Octonal		78413-87-3	ACG	5,000	ACG	400									X	
Octyltrichlorosilane		5283-66-9						ACG	APA							X
Oleum (Fuming Sulfuric acid)	[Sulfuric acid, mixture with sulfur trioxide]	8014-95-7	1.00	10,000								X				
Oxygen difluoride		7783-41-7			0.09	15									X	
1,3-Pentadiene		504-60-9	1.00	10,000								X				
Pentane		109-66-0	1.00	10,000								X				
1- Pentene		109-67-1	1.00	10,000								X				
2-Pentene, (E)-		646-04-8	1.00	10,000								X				
2-Pentene, (Z)-		627-20-3	1.00	10,000								X				
Pentolite		8066-33-9	ACG	5,000	ACG	400									X	
Peracetic acid	[Ethaneperoxic acid]	79-21-0	1.00	10,000												
Perchloromethylmercaptan	[Methanesulfenyl chloride, trichloro-]	594-42-3	1.00	10,000								X				
Perchloryl fluoride		7616-94-6				45									X	
PETN	[Pentaerythritol tetranitrate]	78-11-5	ACG	5,000	ACG	400									X	
Phenyltrichlorosilane		98-13-5						ACG	APA							X
Phosgene	[Carbonic dichloride] or [carbonyl dichloride]	75-44-5	1.00	500	0.17	15						X				
Phosphine		7803-51-2	1.00	10,000	0.67	15									X	
Phosphorus		7723-14-0			ACG	400										X
Phosphorus oxychloride		10025-87-3	1.00	5,000	80.00	220			ACG	APA	X					X
Phosphorus pentabromide	[Phosphoryl chloride]	7789-69-7							ACG	APA						X
Phosphorus pentachloride		10026-13-8							ACG	APA						X
Phosphorus pentasulfide		1314-80-3							ACG	APA						X

Appendix A to Part 27. -- DHS Chemicals of Interest ¹

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 - Toxic	Release - Flammables	Release - Explosives	Theft - CW/CWP	Theft - WME	Theft - EXP/IEDP	Sabotage/Contamination	
Vinyl acetate monomer	[Acetic acid ethenyl ester]	108-05-4	1.00	10,000					X							
Vinyl acetylene	[1-Buten-3-yne]	689-97-4	1.00	10,000					X							
Vinyl chloride	[Ethene, chloro-]	75-01-4	1.00	10,000					X							
Vinyl ethyl ether	[Ethene, ethoxy-]	109-92-2	1.00	10,000					X							
Vinyl fluoride	[Ethene, fluoro-]	75-02-5	1.00	10,000					X							
Vinyl methyl ether	[Ethene, methoxy-]	107-25-5	1.00	10,000					X							
Vinylidene chloride	[Ethene, 1,1-dichloro-]	75-35-4	1.00	10,000					X							
Vinylidene fluoride	[Ethene, 1,1-difluoro-]	75-38-7	1.00	10,000					X							
Vinyltrichlorosilane		75-94-5						ACG	APA							X
VX	[o-Ethyl-S-2-diisopropylaminoethyl methyl phosphonothiolate]	50782-69-9				CUM 100g										
Zinc hydrosulfite	[Zinc dithionite]	7779-86-4						ACG	APA							

¹ The acronyms used in this appendix have the following meaning: ACG = A Commercial Grade; APA = A Placarded Amount; CW/CWP = Chemical Weapons/Chemical Weapons Precursors; WME = Weapons of Mass Effect; EXP/IEDP = Explosives/Improvised Explosive Device Precursors

Michael Chertoff,

*Secretary of Homeland Security, Department
of Homeland Security.*

[FR Doc. 07-5585 Filed 11-19-07; 8:45 am]

BILLING CODE 4410-10-C