

APPENDIX A TO PART 27—DHS CHEMICALS OF INTEREST

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

Chemicals of Interest (COI)	Synonym	Chemical Abstract Service (CAS) #	Release	Theft	Sabotage	Security Issue	Sabotage/Contamination		
							Screening Threshold Quantities (in pounds unless otherwise noted)	Minimum Concentration (%)	Screening Threshold Quantities (in pounds unless otherwise noted)
Acetaldehyde		75-07-0	1.00	10,000	ACG	APA			
Acetone cyanohydrin, stabilized		75-86-5			ACG	APA			
Acetyl bromide		506-96-7			ACG	APA			
Acetyl chloride		75-36-5			ACG	APA			
Acetyl iodide		507-02-8			ACG	APA			
Acetylene	[Ethyne] [2-Propenal] or Acrylaldehyde	74-86-2	1.00	10,000					
Acrolein	[2-Propenentriole]	107-02-8	1.00	5,000					
Acrylonitrile		107-13-1	1.00	10,000					
Acryloyl chloride	[2-Propenyl chloride]	814-68-6	1.00	10,000					
Allyl alcohol	[2-Propen-1-ol]	107-18-6	1.00	15,000					
Allylamine	[2-Propen-1-amine]	107-11-9	1.00	10,000	ACG	APA			
Allyltrichlorosilane, stabilized		107-37-9							
Aluminum (powder)		7429-90-5			ACG	100	ACG	APA	
Aluminum bromide, anhydrous		7727-15-3							
Aluminum chloride, anhydrous		7446-70-0					ACG	APA	
Aluminum phosphide		20859-73-8					ACG	APA	
Ammonia (anhydrous)		7664-41-7	1.00	10,000					X
Ammonia (conc. 20% or greater)		7664-41-7	20.00	20,000					X
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	5,000	ACG	400			X

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

Chemicals of Interest (COI)	Synonym	Chemical Abstract Service (CAS) #	Release	Theft	Sabotage	Security Issue	Sabotage/Contamination	
							Screening Threshold Minimum Concentration (%)	Screening Threshold Minimum Concentration (%) unless otherwise noted)
Ammonium nitrate, solid [nitrogen concentration of 23% nitrogen or greater]		6484-52-2		33.00	2000			X
Ammonium perchlorate		7790-98-9	ACG	5,000	ACG		X	X
Ammonium picrate		131-74-8	ACG	5,000	ACG		X	X
Amyltrichlorosilane		107-72-2			ACG	APA		X
Antimony pentaffluoride		7783-70-2			ACG	APA		X
Arsenic trichloride	[Arsenous trichloride]	7784-34-1	1.00	15,000	30,000	2,2	X	X
Arsine		7784-42-1	1.00	1,000	0.67	15	X	X
Barium azide		18810-58-7	ACG	5,000	ACG	400		X
1,4-Bis(2-chloroethylthio)-n- butane		142868-93-7			CUM 100g			X
Bis(2-chloroethylthio)methane		63869-13-6			CUM 100g			X
Bis(2- chloroethylthiomethyl)ether		63918-90-1			CUM 100g			X
1,5-Bis(2-chloroethylthio)-n- pentane		142868-94-8			CUM 100g			X
1,3-Bis(2-chloroethylthio)-n- propane		63905-10-2			CUM 100g			X
Boron tribromide		10294-33-4			12.67	45	ACG	APA
Boron trichloride	[Borane, trichloro] [Borane, trifluoro]	10294-34-5	1.00	5,000	84.70	45	X	X
Boron trifluoride		7631-07-2	1.00	5,000	26.87	45	X	X
Boron trifluoride compound with methyl ether (1:1)	[Boron, trifluoro [oxybis (methylene)] T-4-]	353-42-4	1.00	15,000				
Bromine		7726-95-6	1.00	10,000				X
Bromine chloride		13863-41-7			9.67	45		X
Bromine pentaffluoride		7789-30-2					ACG	APA
Bromine trifluoride		7781-71-5			6.00	45	ACG	APA
Bromotetrafluoroethylene	[Ethene, bromotetrafluoro-]	5988-73-2	1.00	10,000			X	X

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

Chemicals of Interest (COI)	Synonym	Chemical Abstract Service (CAS) #	Release			Sabotage			Security Issue		
			Thief	Release	Sabotage	Release - Toxic	Release - Flammables	Release - Explosives	Release - CW/CWP	Release - WME	Theft - EXP/IEDP
1,3-Butadiene		106-99-0	1.00	10,000							
Butane		106-97-8	1.00	10,000							
Butene		25167-67-3	1.00	10,000							
1-Butene		106-98-9	1.00	10,000							
2-Butene		107-01-7	1.00	10,000							
2-Butene-ol		590-18-1	1.00	10,000							
2-Butene-trans	[2-Butene, (E)]	624-64-6	1.00	10,000							
Buylchlorosilane		7521-80-4									
Calcium hydrosulfite	[Calcium dithionite]	15512-36-4									
Calcium phosphide		1305-99-3									
Carbon disulfide		75-15-0	1.00	20,000							
Carbon oxyulfide	[Carbon oxide sulfide (COS); carbonyl sulfide]	463-58-1	1.00	10,000							
Carbonyl fluoride		353-50-4									
Carbonyl sulfide		463-58-1									
Chlorine		7782-50-5	1.00	2,500							
Chlorine dioxide	[Chlorine oxide, (ClO ₂)	10049-04-4	1.00	1,000							
Chlorine monoxide	[Chlorine oxide]	7791-21-1	1.00	10,000							
Chlorine pentafluoride		13637-63-3									
Chlorine trifluoride		7790-91-2									
Chloroacetyl chloride		79-04-9									
2-Chloroethylchloro-methylsulfide		2625-76-5									
Chloroform		67-66-3	1.00	20,000							
Chloromethyl ether	[Methane, oxybis(chloro-)]	542-88-1	1.00	1,000							
Chloromethyl methyl ether	[Methane, chloromethoxy-]	107-30-2	1.00	5,000							
1-Chloropropylene	[1-Propane, 1-chloro-]	590-21-6	1.00	10,000							
2-Chloropropylene	[1-Propane, 2-chloro-]	557-98-2	1.00	10,000							

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

Chemicals of Interest (COI)	Synonym	Chemical Abstract Service (CAS) #	Minimum Concentration (%)	Screening Threshold Quantities (in pounds)	Minimum Concentration (%)	Screening Threshold Quantities (in pounds unless otherwise noted)	Minimum Concentration (%)	Screening Threshold Quantities (in pounds)	Minimum Concentration (%)	Screening Threshold Quantities (in pounds)	Theft	Theft - CW/CWP	Theft - WME	Theft - EXP/IEDP	Sabotage	Sabotage/Contamination	Security Issue	
Chlorosarin	[o-isopropyl methyl]phosphonochloridate	1445-76-7		CUM 100g							X							
Chlorosoman	[o-Pinacolyl methyl]phosphonochloridate	7040-57-5		CUM 100g							X							
Chlorosulfonic acid		7790-94-5										ACG	APA					
Chromium oxychloride	14977-61-8											ACG	APA					
Crotonaldehyde	[2-Butenal]	4170-36-3	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				
Cyclohexyltrichloroslane		98-12-4										ACG	APA					
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-]	4109-95-0	1.00	10,000	10,47	45								X				
N,N-(2-diethylamino)ethanethiol		100-38-9										30.00	2.2					
Diethylchlorosilane		1719-53-5												X				
o-Diethyl S-[2-(diethylamino)ethyl] phosphorothioate		78-53-5												X				
Diethyleneglycol dinitrate		693-21-0	ACG	5,000	ACG	400								X				
Diethyl methylphosphonite		15715-41-0										30.00	2.2					
N,N-Diethyl phosphoramicidic dichloride		1498-54-0										30.00	2.2					
N,N-diisopropylamino)ethanethiol		5842-07-9										30.00	2.2					

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)	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	2.2							
N,N-Diisopropyl phosphoramic dichloride	[Hydrazine, 1, 1-dimethyl-]	23306-80-1											
1,1-Dimethylhydrazine	[Methanamine, N-methyl-]	57-14-7	1.00	10,000									
Dimethylamine	[Methanamine]	124-40-3	1.00	10,000									
N,N-(2-dimethylamino)ethanethiol		108-02-1			30.00	2.2							
N,N-Dimethyl phosphoramicidic dichloride	[Silyane, dichlorodimethyl-]	75-78-5	1.00	10,000									
2,2-Dimethylpropane	[Dimethylphosphoramido-dichloride]	677-43-0			30.00	2.2							
Dingu	[Propane, 2,2-dimethyl-]	463-82-1	1.00	10,000									
Dinitrogen tetroxide	[Dinitroglycolin]	55510-04-8	ACG	5,000	ACG	400							
Dinitrophenol		10544-72-6			3.80	15							
Dinitroresorcinol		25550-58-7	ACG	5,000	ACG	400							
Diphenyldichlorosilane		519-44-8	ACG	5,000	ACG	400							
Dipoly sulfide		80-10-4											
Dipicrylamine (or Hexyl)		2217-05-3	ACG	5,000	ACG	400							
N,N-(2-dipropylamino)ethanethiol	[Hexanitrodi phenylamine]	131-73-7	ACG	5,000	ACG	400							
N,N-Dipropyl phosphoramicidic dichloride		5842-06-8			30.00	2.2							
Dodecyltrichlorosilane		40881-98-9			30.00	2.2							
Epichlorohydrin		4484-72-4					ACG	ACG					
Ethane	[Oxirane, (chloromethyl)-]	106-59-8	1.00	20,000									
Ethyl acetylene	[1-Butyne]	74-84-0	1.00	10,000									
Ethyl chloride	[Ethane, chloro-]	107-00-6	1.00	10,000									
Ethyl ether	[Ethane, 1,1-oxobis-]	75-00-3	1.00	10,000									
Ethyl mercaptan	[Ethanethiol]	60-29-7	1.00	10,000									
		75-08-1	1.00	10,000									

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

Chemicals of Interest (COI)		Synonym	Chemical Abstract Service (CAS) #	Release	Theft	Sabotage	Security issue
Ethyl nitrite	[Nitrous acid, ethyl ester]	105-95-5	1.00	10,000	CUM 100g		
Ethyl phosphonyl difluoride	[Ethanamine]	753-98-0	1.00	10,000		X	X
Ethylamine	[Ethyldiethanolamine]	139-87-7	1.00	10,000	80,000	220	X
Ethyldiethanolamine	[Ethyleneglycol]	74-85-1	1.00	10,000		X	X
Ethylene	[Oxirane]	75-21-8	1.00	10,000		X	X
Ethylene oxide	[1,2-Ethanediamine]	107-51-3	1.00	20,000		X	X
Ethylene diamine	[Aziridine]	151-56-4	1.00	10,000		X	X
Ethylenediamine		993-43-1		30,00	2.2		X
Ethylphosphonothioic dichloride		115-21-9					X
Ethyltrifluorotolosilane		7782-41-4	1.00	1,000	6.17	15	ACG
Fluorine		7789-21-1					APA
Formaldehyde (solution)		50-00-0	1.00	15,000			ACG
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 nitrosaminoguanylidene hydrazine		ACG	5,000	ACG	400		X
Hexaethyl tetraphosphate and compressed gas mixtures		757-58-4			33,37	500	X
Hexafluoracetone		684-16-2			15,67	45	X
Hexanitrostilbene		20692-22-0			5,000	ACG	X
Hexolite	[Hexolite]	121-82-4			5,000	ACG	X
Hexyltrifluorotolosilane		928-85-4			400	ACG	X
	[Cycloctetramethylene-tetranitramine]	2591-14-0			5,000	ACG	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 (in pounds unless otherwise noted)	Release - Toxic	Release - Flammables	Release - Explosives
HN1 (nitrogen mustard-1)	[Bis(2-chloroethyl)ethyl]amine	538-07-8	CUM 100g	X	X	X	X	X	X	X	X
HN2 (nitrogen mustard-2)	[Bis(2-chloroethyl)methyl]amine	51-75-2	CUM 100g	X	X	X	X	X	X	X	X
HN3 (nitrogen mustard-3)	[Tris(2-chloroethyl)amine]	55-77-1	CUM 100g	X	X	X	X	X	X	X	X
Hydrazine		302-01-2	1.00	10,000							
Hydrochloric acid (conc. 37% or greater)		7647-01-0	37.00	15,000							
Hydrocyanic acid		74-90-8	1.00	2,500							
Hydrofluoric acid (conc. 50% or greater)		7664-39-3	50.00	1,000							
Hydrogen		1333-74-0	1.00	10,000							
Hydrogen bromide (anhydrous)		10355-10-6			95.33	500					
Hydrogen chloride (anhydrous)		7647-01-0	1.00	5,000	ACG	500					
Hydrogen cyanide	[Hydrocyanic acid]	74-90-8									
Hydrogen fluoride (anhydrous)		7664-39-3	1.00	1,000	42.53	45					
Hydrogen iodide, anhydrous		10354-85-2			95.33	500					
Hydrogen peroxide (concentration of at least 35%)		7722-84-1			35.00	400					
Hydrogen selenide		7783-07-5	1.00	10,000	0.07	15					
Hydrogen sulfide		7783-06-4	1.00	10,000	23.73	45					
Iodine pentfluoride		7783-86-6									
Iron, pentacarbonyl-	[Iron carbonyl (Fe (CO) ₅)] (TB5-11)-	13463-40-6	1.00	10,000							
Isobutane	[Propane, 2-methyl]	75-28-5	1.00	10,000							
Isobutyl nitrile	[Propanenitrile, 2-methyl]	78-82-0	1.00	20,000							
Isopentane	[Butane, 2-methyl]	78-78-4	1.00	10,000							
Isoprene	[1,3-Butadiene, 2-methyl]	78-79-5	1.00	10,000							

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

Chemicals of Interest (COI)	Synonym	Chemical Abstract Service (CAS) #	Minimum Concentration (%)	Screening Threshold Quantities (in pounds unless otherwise noted)	Minimum Concentration (%)	Screening Threshold Quantities (in pounds unless otherwise noted)	Theft	Theft - WMF	Theft - EXP/IEDP	Sabotage/Contamination	Security Issue
Isopropyl chloride	[Propane, 2-chloro]	75-29-6	1.00	10,000							
Isopropyl chloroformate	[Carbonochloridic acid, 1-methyl-1-ester]	108-23-6	1.00	15,000							
Isopropylamine	[2-Propanamine]	75-31-0	1.00	10,000							
Isopropylphosphonothioic dichloride		1498-50-8			30.00	2.2					
Isopropylphosphonyl difluoride		677-42-9			CUM 100g						
Lead azide		13424-46-9	ACG	5,000	ACG	400					
Lead styphnate	[Lead trinitroresorinate]	15245-44-0	ACG	5,000	ACG	400					
Lewisite 1	[2-Chlorovinylidichloroarsine]	541-25-3			CUM 100g						
Lewisite 2	[Bis(2-chlorovinyl)chloroarsine]	40334-69-8			CUM 100g						
Lewisite 3	[Tris(2-chlorovinyl)arsine]	40334-70-1			CUM 100g						
Lithium amide		7782-88-0									
Lithium nitride		26134-62-3									
Magnesium (powder)		7439-95-4			ACG	100					
Magnesium diamide		7803-54-5					ACG	ACG	ACG	ACG	
Magnesium phosphide		12057-74-8					ACG	ACG	ACG	ACG	
MDEA	[Methyldiethanolamine]	105-59-9									
Mercury fulminate		628-86-4	ACG	5,000	ACG	400					
Methacrylonitrile	[2-Propenenitrile, 2-methyl-]	126-98-7	1.00	10,000							
Methane		74-82-8	1.00	10,000							
2-Methyl-1-butene		563-46-2	1.00	10,000							
3-Methyl-1-butene		563-45-1	1.00	10,000							
Methyl chloride	[Methane, chloro-]	74-87-3	1.00	10,000							
Methyl chloroformate	[Carbonochloridic acid, methyl ester]	79-22-1	1.00	10,000							
Methyl ether	[Methane, oxybis-[115-10-6	1.00	10,000							
Methyl formate	[Formic acid Methyl ester]	107-31-3	1.00	10,000							

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

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 (in pounds)	Minimum Concentration (%)	Screening Threshold Quantities (in pounds)
Nitrotriazolone		932-64-9	ACG	5,000	ACG	400	ACG	400	ACG	400
Nonyltrichlorosilane		5283-57-0					ACG	ACG	ACG	ACG
Octadecyltrichlorosilane		112-04-9					ACG	ACG	ACG	ACG
Octolite		57607-37-1	ACG	5,000	ACG	400	ACG	400	ACG	400
Octonal		78413-87-3	ACG	5,000	ACG	400	ACG	400	ACG	400
Octyltrichlorosilane		5283-58-9					ACG	ACG	ACG	ACG
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		8066-53-9	ACG	5,000	ACG	400	ACG	400	ACG	400
Peracetic acid	[Ethanoperoxic acid]	79-21-0	1.00	10,000					X	
Perchloromethylmercapto	[Methanesulfenyl] chloride, trichloro-]	504-42-3	1.00	10,000					X	
Perchloryl fluoride		7616-94-6			25.67	45			X	
PETN	[Pentaerythritol tetranitrate]	78-11-5	ACG	5,000	ACG	400	ACG	400	ACG	400
Phenyltrichlorosilane		98-13-5					ACG	ACG	ACG	ACG
Phosgene	[Carbonic dichloride] or [carbonyl dichloride]	75-44-5	1.00	500	0.17	15	X	X	X	X
Phosphine		7803-51-2	1.00	10,000	0.67	15			X	
Phosphorus		7723-14-0			ACG	400	ACG	400	ACG	400
Phosphorus oxychloride		10025-87-3	1.00	5,000	80.00	220	ACG	ACG	ACG	ACG
Phosphorus pentabromide		7789-59-7					ACG	ACG	ACG	ACG
Phosphorus pentachloride		10026-13-8					ACG	ACG	ACG	ACG
Phosphorus pentasulfide		1314-90-3					ACG	ACG	ACG	ACG

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

Chemicals of Interest (COI)	Synonym	Chemical Abstract Service (CAS) #	Release	Theft	Sabotage	Security Issue	Sabotage/Contamination		
							Screening Threshold Minimum Concentration (%)	Screening Threshold Quantities (in pounds unless otherwise noted)	Screening Threshold Minimum Concentration (%)
Phosphorus trichloride		7719-12-2	1.00	15,000	3.48	45	ACG	APA	X
Picrite	[Nitroguanidine]	556-98-7	ACG	5,000	ACG	400	X	X	X
Piperidine		110-89-4	1.00	10,000			X		
Potassium chlorate		3811-04-9		ACG	400		X		X
Potassium cyanide		151-50-8			ACG	400			X
Potassium nitrate		7757-79-1		ACG	400				X
Potassium perchlorate		7778-74-7		ACG	400				X
Potassium permanganate		7722-23-7		ACG	400				X
Potassium phosphide		20770-41-6			ACG	400			X
Propadiene	[1,2-Propadiene]	463-49-0	1.00	10,000					
Propane		74-98-6	1.00	60,000					
Propionitrile	[Propanenitrile]	107-12-0	1.00	10,000					
Propyl chloroformate	[Carbonchloridic acid, propyl ester]	109-61-5	1.00	10,000					
Propylene	[1-Propene]	115-07-1	1.00	10,000					
Propylene oxide	[Oxirane, methyl-]	75-56-9	1.00	10,000					
Propyleneimine	[Aziridine, 2-methyl-]	2524-01-8		30,000	2,2				
Propyl phosphonothioic dichloride		690-14-2		CUM 100g					
Propylphosphonyl difluoride		141-57-1							
Propyltrichlorosilane		74-99-7	1.00	10,000					
Propyne	[1-Propyne]	57856-11-8		CUM 100g					
QL	[o-Ethyl-o-2-diisopropylaminobethyl methylphosphonite]								
RDX	[Cyclotrimethylenetrinitramine]	121-82-4	ACG	5,000	ACG	400			X
RDX and HMX mixtures		121-82-4	ACG	5,000	ACG	400			X
Sarin	[o-Isopropyl methylphosphonofluoride]	107-44-8		CUM 100g					X
Selenium hexafluoride		7783-79-1		1.67	15				X

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

Chemicals of Interest (COI)		Synonym	Chemical Abstract Service (CAS) #	Release	Theft	Sabotage	Security issue	Sabotage/Contamination	
Sesquimustard	[1,2-Bis(2-chloroethylthio)ethane]		3563-36-8	CUM 100g				X	X
Silane			7803-62-5	1.00	10,000			ACG	APA
Silicon tetrafluoride			1026-04-7					X	X
Sodium azide			7783-61-1		15,000	45		X	X
Sodium chlorate			26628-22-8		ACG	400		X	X
Sodium cyanide			7775-09-9		ACG	400		X	X
Sodium dithionite			143-33-9					ACG	APA
Sodium hydrosulfite			7775-14-6		ACG	400		X	X
Sodium nitrate			7631-99-4					X	X
Sodium phosphide			12058-85-4					X	X
Soman			96-64-0					X	X
Stibine			7803-52-3		0.67	15		X	X
Strontium phosphide			12504-16-4					ACG	APA
Sulfur dioxide (anhydrous)			7446-09-5	1.00	5,000	84,00	500		X
Sulfur tetrafluoride			7783-60-0	1.00	2,500	1,33	15		X
Sulfur trioxide			7446-11-9	1.00	10,000			X	X
Sulfuryl chloride			7791-25-5					ACG	APA
Tabun			77-81-6					X	X
Tellurium hexafluoride			7783-80-4					0.83	15
Tetrafluoroethylene			116-14-3	1.00	10,000				X
Tetramethyllead			116-14-3	1.00	10,000				X
Tetramethylsilane			75-77-1					X	X
Tetranitromethane			75-76-3	1.00	10,000			X	X
Tetranitromethane			53014-37-2		ACG	5,000		ACG	400
Tetrazene			509-14-8	1.00	10,000			X	X
Tetrazene			109-27-3		ACG	5,000		ACG	400

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)	Minimum Concentration (%)	Screening Threshold Quantities (in pounds)	
1H-Tetrazole		286-94-8	ACG	5,000	ACG	400			
Thiodiglycol	[Bis(2-hydroxyethyl)sulfide]	111-48-8			30,000	2,2			
Thionyl chloride		7719-09-7					ACG	APA	
Titanium tetrachloride	[Titanium chloride (TIC4) (T-4)-]	7550-45-0	1,00	2,500	13.33	45	ACG	APA	
TNT	[Trinitrotoluene]	118-96-7	ACG	5,000	ACG	400			
Torpex	[Hexotonal]	67713-16-0	ACG	5,000	ACG	400			
Trichlorosilane	[Silane, trichloro-]	10025-78-2	1,00	10,000			ACG	APA	
Triethanolamine hydrochloride		102-71-6		80,000	220				
Triethyl phosphite		637-39-8		80,000	220				
Trifluoroacetyl chloride		122-52-1		80,000	220				
Trifluorochloroethylene	[Ethene, chlorotrifluoro-]	354-32-5		6,93	45				
Trimethylamine	[Methanamine, N,N-dimethyl-]	79-36-9	1,00	10,000	66.67	500			
Trimethylchlorosilane	[Silane, chlorotrimethyl-]	75-50-3	1,00	10,000			ACG	APA	
Trimethyl phosphite		75-77-4	1,00	10,000					
Trinitroaniline		121-45-9		80,000	220				
Trinitroanisole		26952-42-1	ACG	5,000	ACG	400			
Trinitrobenzene		606-35-9	ACG	5,000	ACG	400			
Trinitrobenzenesulfonic acid		99-35-4	ACG	5,000	ACG	400			
Trinitrobenzoic acid		2508-18-2	ACG	5,000	ACG	400			
Trinitrochlorobenzene		129-66-8	ACG	5,000	ACG	400			
Trinitrofluorenone		88-88-0	ACG	5,000	ACG	400			
Trinitro-meta- cresol		129-79-3	ACG	5,000	ACG	400			
Trinitronaphthalene		602-89-3	ACG	5,000	ACG	400			
Trinitrophenetole		55810-17-8	ACG	5,000	ACG	400			
Trinitrophenol		4732-14-3	ACG	5,000	ACG	400			
Trinitroresorcinol		88-89-1	ACG	5,000	ACG	400			
Tritonal		82-77-3	ACG	5,000	ACG	400			
Tungsten hexafluoride		54413-15-9	ACG	5,000	ACG	400			
		7783-32-6			7,10	45			

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

Chemicals of Interest (COI)		Synonym	Chemical Abstract Service (CAS) #	Release	Theft	Sabotage	Security Issue
Vinyl acetate monomer		[Acetic acid ethenyl ester]	108-05-4	1.00	10,000		
Vinyl acetylene		[1-Buten-3-yne]	689-97-4	1.00	10,000		
Vinyl chloride		[Ethene, chloro-]	75-01-4	1.00	10,000		
Vinyl ethyl ether		[Ethene, ethoxy-]	109-82-2	1.00	10,000		
Vinyl fluoride		[Ethene, fluoro-]	75-02-5	1.00	10,000		
Vinyl methyl ether		[Ethene, methoxy-]	107-25-5	1.00	10,000		
Vinylidene chloride		[Ethene, 1,1-dichloro-]	75-35-4	1.00	10,000		
Vinyldene fluoride		[Ethene, 1,1-difluoro-]	75-37-7	1.00	10,000		
Vinyltrichlorosilane		[o-Ethyl-S-2-diisopropylaminoethyl methyl phosphonothioate]	50782-69-9		CJM 100g		
VX		[Zinc dithionite]	77782-36-4				
Zinc bicusulfite							

¹ The acronyms used in this appendix have the following meaning: ACG = A Commercial Grade; APA = A Placarded Amount; CWC/NWP = Chemical Weapons/Nanoparticles/Chemical Weapons Precursors; WMF = Weapons of Mass Effect; EXPIEDP = Explosives/Improvised Explosive Device Precursors

[72 FR 65420, Nov. 20, 2007]

PART 29—PROTECTED CRITICAL INFRASTRUCTURE INFORMATION

Sec.

- 29.1 Purpose and scope.
- 29.2 Definitions.
- 29.3 Effect of provisions.
- 29.4 Protected Critical Infrastructure Information Program administration.
- 29.5 Requirements for protection.
- 29.6 Acknowledgment of receipt, validation, and marking.
- 29.7 Safeguarding of Protected Critical Infrastructure Information.
- 29.8 Disclosure of Protected Critical Infrastructure Information.
- 29.9 Investigation and reporting of violation of PCII procedures.

AUTHORITY: Pub. L. 107-296, 116 Stat. 2135 (6 U.S.C. 1 *et seq.*); 5 U.S.C. 301.

SOURCE: 71 FR 52271, Sept. 1, 2006, unless otherwise noted.

§ 29.1 Purpose and scope.

(a) *Purpose of this part.* This part implements sections 211 through 215 of the Homeland Security Act of 2002 (HSA) through the establishment of uniform procedures for the receipt, care, and storage of Critical Infrastructure Information (CII) voluntarily submitted to the Department of Homeland Security (DHS). Title II, Subtitle B, of the Homeland Security Act is referred to herein as the Critical Infrastructure Information Act of 2002 (CII Act). Consistent with the statutory mission of DHS to prevent terrorist attacks within the United States and reduce the vulnerability of the United States to terrorism, DHS will encourage the voluntary submission of CII by safeguarding and protecting that information from unauthorized disclosure and by ensuring that such information is, as necessary, securely shared with State and local government pursuant to section 214(a) through (g) of the CII Act. As required by the CII Act, these rules establish procedures regarding:

- (1) The acknowledgement of receipt by DHS of voluntarily submitted CII;
- (2) The receipt, validation, handling, storage, proper marking and use of information as PCII;
- (3) The safeguarding and maintenance of the confidentiality of such information, appropriate sharing of such

information with State and local governments pursuant to section 214(a) through (g) of the HSA.

(4) The issuance of advisories, notices and warnings related to the protection of critical infrastructure or protected systems in such a manner as to protect from unauthorized disclosure the source of critical infrastructure information that forms the basis of the warning, and any information that is proprietary or business sensitive, might be used to identify the submitting person or entity, or is otherwise not appropriately in the public domain.

(b) *Scope.* The regulations in this part apply to all persons and entities that are authorized to handle, use, or store PCII or that otherwise accept receipt of PCII.

§ 29.2 Definitions.

For purposes of this part:

(a) *Critical Infrastructure* has the meaning stated in section 2 of the Homeland Security Act of 2002 (referencing the term used in section 1016(e) of Public Law 107-56 (42 U.S.C. 5195c(e)).

(b) *Critical Infrastructure Information*, or *CII*, has the same meaning as established in section 212 of the CII Act of 2002 and means information not customarily in the public domain and related to the security of critical infrastructure or protected systems, including documents, records or other information concerning:

(1) Actual, potential, or threatened interference with, attack on, compromise of, or incapacitation of critical infrastructure or protected systems by either physical or computer-based attack or other similar conduct (including the misuse of or unauthorized access to all types of communications and data transmission systems) that violates Federal, State, local, or tribal law, harms interstate commerce of the United States, or threatens public health or safety;

(2) The ability of any critical infrastructure or protected system to resist such interference, compromise, or incapacitation, including any planned or