Scheduled Chemicals Controlled by
Chemical Weapons (Conventions) Ordinance

The following are chemicals controlled by the Chemical Weapons (Convention) Ordinance. They are included in Schedules 1, 2 and 3 of the above Ordinance.

Schedule 1

		(CAS registry number)
A.	Toxic chemicals :	
(1)	O-Alkyl ($\leq C_{10}$, incl. cycloalkyl) alkyl (Me, Et, n-Pr or i-Pr)-phosphonofluoridates	
	e.g. Sarin : O-Isopropyl methylphosphonofluoridate	(107-44-8)
	Soman : O-Pinacolyl methylphosphonofluoridate	(96-64-0)
(2)	O-Alkyl ($\leq C_{10}$, incl. cycloalkyl) N,N-dialkyl (Me, Et, n-Pr or i-Pr) phosphoramidocyanidates	
	e.g. Tabun : O-Ethyl N,N-dimethyl phosphoramidocyanidate	(77-81-6)
(3)	O-Alkyl (H or $\leq C_{10}$, incl. cycloalkyl) S-2-dialkyl (Me, Et, n-Pr or i-Pr)-aminoethyl alkyl (Me, Et, n-Pr or i-Pr) phosphonothiolates and corresponding alkylated or protonated salts	
	e.g. VX : O-Ethyl S-2-diisopropylaminoethyl methyl phosphonothiolate	(50782-69-9)
(4)	Sulfur mustards :	
	2-Chloroethylchloromethylsulfide	(2625-76-5)
	Mustard gas : Bis(2-chloroethyl)sulfide	(505-60-2)
	Bis(2-chloroethylthio)methane	(63869-13-6)
	Sesquimustard :	
	1,2-Bis(2-chloroethylthio)ethane	(3563-36-8)
	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)
	Bis(2-chloroethylthiomethyl)ether	(63918-90-1)
	O-Mustard : Bis(2-chloroethylthioethyl)ether	(63918-89-8)
(5)	Lewisites :	
	Lewisite 1 : 2-Chlorovinyldichloroarsine	(541-25-3)
	Lewisite 2 : Bis(2-chlorovinyl)chloroarsine	(40334-69-8)
	Lewisite 3 : Tris(2-chlorovinyl)arsine	(40334-70-1)
(6)	Nitrogen mustards :	
	HN1 : Bis(2-chloroethyl)ethylamine	(538-07-8)
	HN2 : Bis(2-chloroethyl)methylamine	(51-75-2)
	HN3 : Tris(2-chloroethyl)amine	(555-77-1)
(7)	Saxitoxin	(35523-89-8)
(8)	Ricin	(9009-86-3)
B.	Precursors :	
(9)	Alkyl (Me, Et, n-Pr or i-Pr) phosphonyldifluorides	
	e.g. DF : Methylphosphonyldifluoride	(676-99-3)
(10)	O-Alkyl (H or $\leq C_{10}$, incl. cycloalkyl) O-2-dialkyl (Me, Et, n-Pr or i-Pr)-aminoethyl alkyl (Me, Et, n-Pr or i-Pr) phosphonites and corresponding alkylated or protonated salts	
	e.g. QL : O-Ethyl O-2-diisopropylaminoethyl methylphosphonite	(57856-11-8)
(11)	Chlorosarin : O-Isopropyl methylphosphonochloridate	(1445-76-7)
(12)	Chlorosoman : O-Pinacolyl methylphosphonochloridate	(7040-57-5)

Schedule 2

A. Toxic chemicals:

(1) Amiton : O,O-Diethyl S-[2-(diethylamino)ethyl] phosphorothiolate and corresponding alkylated or protonated salts (78-53-5)
(2) PFIB : 1,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1-propene (382-21-8)
(3) BZ : 3-Quinuclidinyl benzilate (*) (6581-06-2)

B. Precursors:

(4) Chemicals, except for those listed in Schedule 1, containing a phosphorus atom to which is bonded one methyl, ethyl or propyl (normal or iso) group but not further carbon atoms,
e.g. Methylphosphonyl dichloride (676-97-1)
Dimethyl methylphosphonate (756-79-6)
Exemption : Fonofos : O-Ethyl S-phenyl ethylphosphonothiolothionate (944-22-9)
(5) N,N-Dialkyl (Me, Et, n-Pr or i-Pr) phosphoramidic dihalides
(6) Dialkyl (Me, Et, n-Pr or i-Pr) N,N-dialkyl (Me, Et, n-Pr or i-Pr)-phosphoramidates
(7) Arsenic trichloride (7784-34-1)
(8) 2,2-Diphenyl-2-hydroxyacetic acid (76-93-7)
(9) Quinuclidin-3-ol (1619-34-7)
(10) N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethyl-2-chlorides and corresponding protonated salts
(11) N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-ols and corresponding protonated salts
Exemptions : N,N-Dimethylaminoethanol (108-01-0) and corresponding protonated salts
N,N-Diethylaminoethanol (100-37-8) and corresponding protonated salts
(12) N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-thiols and corresponding protonated salts
(13) Thiodiglycol: Bis(2-hydroxyethyl)sulfide (111-48-8)
(14) Pinacolyl alcohol: 3,3-Dimethylbutan-2-ol (464-07-3)

Schedule 3

A. Toxic chemicals :

(1) Phosgene : Carbonyl dichloride (75-44-5)
(2) Cyanogen chloride (506-77-4)
(3) Hydrogen cyanide (74-90-8)
(4) Chloropicrin : Trichloronitromethane (76-06-2)

B. Precursors :

(5) Phosphorus oxychloride (10025-87-3)
(6) Phosphorus trichloride (7719-12-2)
(7) Phosphorus pentachloride (10026-13-8)
(8) Trimethyl phosphite (121-45-9)
(9) Triethyl phosphite (122-52-1)
(10) Dimethyl phosphite (868-85-9)
(11) Diethyl phosphite (762-04-9)
(12) Sulfur monochloride (10025-67-9)
(13) Sulfur dichloride (10545-99-0)
(14) Thionyl chloride (7719-09-7)
(15) Ethyldiethanolamine (139-87-7)
(16) Methyldiethanolamine (105-59-9)
(17) Triethanolamine (102-71-6)