

Scheduled Chemicals Controlled by the Chemical Weapons Convention (CWC)

Schedule 1

	(CAS registry number)
A. <u>Toxic chemicals</u> :	
(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-Chlorovinylchloroarsine	(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 (78-53-5)
and corresponding alkylated or protonated salts
- (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 :

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| (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 :

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|------|--------------------------|--------------|
| (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) |