

## Export Control List: Chemical Weapons Precursors

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September 2009

Precursor Chemical	CAS No.	CWC-Schedule
Thiodiglycol	(111-48-8)	2B
Phosphorus oxychloride	(10025-87-3)	3B
Dimethyl methylphosphonate	(756-79-6)	2B
Methylphosphonyl difluoride (DF)	(676-99-3)	1B
Methylphosphonyl dichloride (DC)	(676-97-1)	2B
Dimethyl phosphite (DMP)	(868-85-9)	3B
Phosphorus trichloride	(7719-12-2)	3B
Trimethyl phosphite (TMP)	(121-45-9)	3B
Thionyl chloride	(7719-09-7)	3B
3-Hydroxy-1-methylpiperidine	(3554-74-3)	Not Listed
N,N-Diisopropyl-(beta)-aminoethyl chloride	(96-79-7)	2B
N,N-Diisopropyl-(beta)-aminoethane thiol	(5842-07-9)	2B
3-Quinuclidinol	(1619-34-7)	2B
Potassium fluoride	(7789-23-3)	Not Listed
2-Chloroethanol	(107-07-3)	Not Listed
Dimethylamine	(124-40-3)	Not Listed
Diethyl ethylphosphonate	(78-38-6)	2B
Diethyl N,N-dimethylphosphoramidate	(2404-03-7)	2B
Diethyl phosphite	(762-04-9)	3B
Dimethylamine hydrochloride	(506-59-2)	Not Listed
Ethylphosphinyl dichloride	(1498-40-4)	2B
Ethylphosphonyl dichloride	(1066-50-8)	2B
Ethylphosphonyl difluoride	(753-98-0)	1B
Hydrogen fluoride	(7664-39-3)	Not Listed
Methyl benzilate	(76-89-1)	Not Listed
Methylphosphinyl dichloride	(676-83-5)	2B
N,N-Diisopropyl-(beta)-amino-ethanol	(96-80-0)	2B
Pinacolyl alcohol	(464-07-3)	2B
O-Ethyl 2-diisopropylaminoethyl methylphosphonite (QL)	(57856-11-8)	1B
Triethyl phosphite	(122-52-1)	3B
Arsenic trichloride	(7784-34-1)	2B
Benzilic acid	(76-93-7)	2B
Diethyl methylphosphonite	(15715-41-0)	2B
Dimethyl ethylphosphonate	(6163-75-3)	2B
Ethylphosphinyl difluoride	(430-78-4)	2B
Methylphosphinyl difluoride	(753-59-3)	2B
3-Quinuclidone	(3731-38-2)	Not Listed

Phosphorus pentachloride	(10026-13-8)	3B
Pinacolone	(75-97-8)	Not Listed
Potassium cyanide	(151-50-8)	Not Listed
Potassium bifluoride	(7789-29-9)	Not Listed
Ammonium bifluoride	(1341-49-7)	Not Listed
Sodium bifluoride	(1333-83-1)	Not Listed
Sodium fluoride	(7681-49-4)	Not Listed
Sodium cyanide	(143-33-9)	Not Listed
Triethanolamine	(102-71-6)	3B
Phosphorus pentasulphide	(1314-80-3)	Not Listed
Diisopropylamine	(108-18-9)	Not Listed
Diethylaminoethanol	(100-37-8)	Not Listed
Sodium sulphide	(1313-82-2)	Not Listed
Sulphur monochloride	(10025-67-9)	3B
Sulphur dichloride	(10545-99-0)	3B
Triethanolamine hydrochloride	(637-39-8)	Not Listed
N,N-Diisopropyl-2-aminoethyl chloride hydrochloride	(4261-68-1)	2B
Methylphosphonic acid	(993-13-5)	2B
Diethyl methylphosphonate	(683-08-9)	2B
N,N-Dimethylaminophosphoryl dichloride	(677-43-0)	2B
Triisopropyl phosphite	(116-17-6)	Not Listed
Ethyl-diethanolamine	(139-87-7)	3B
O,O-Diethyl phosphorothioate	(2465-65-8)	Not Listed
O,O-Diethyl phosphorodithioate	(298-06-6)	Not Listed
Sodium hexafluorosilicate	(16893-85-9)	Not Listed
Methylphosphonothioic dichloride	(676-98-2)	2B

Technical note - Chemicals are listed by name, Chemical Abstract Service (CAS) number and CWC Schedule (where applicable). Chemicals of the same structural formula (e.g., hydrates) are controlled regardless of name or CAS number. CAS numbers are shown to assist in identifying whether a particular chemical or mixture is controlled, irrespective of nomenclature. However, CAS numbers cannot be used as unique identifiers in all situations because some forms of the listed chemical have different CAS numbers, and mixtures containing a listed chemical may also have different CAS numbers.