

Description of the Chemical Weapons Convention (CWC) Schedule 2 Chemicals

Item	Name	Nature of the Chemical	Scope of Application	Examples of Common Usage
A	Toxic Chemicals			
(1)	Amiton: O,O-Diethyl S-[2-(diethylamino)ethyl] phosphorothiolate and corresponding alkylated or protonated salts	A chemical containing phosphorus and nitrogen	The chemical has industrial application.	Amiton is a pesticide that was first synthesised around 1950. It is considered too toxic for use in agriculture nowadays.
(2)	PFIB: 1,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1-propene	A toxic gas containing fluorine	No industrial, medical, pharmaceutical, or scientific application has been reported.	N.A.
(3)	BZ: 3-Quinuclidinyl benzilate	A psychedelic agent (i.e. a hallucinogenic agent)	The chemical has scientific research and pharmaceutical applications.	BZ is used as a biochemical research tool in the manufacture of pharmaceutical.

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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	A group of chemicals containing phosphorus (the phosphorus is directly linked to a carbon atom)	The chemicals have industrial applications.	<p>The chemicals are used in the manufacture of flame retardants, and in the synthesis of drugs.</p> <p>They are used as plasticizer in the production of rapid-setting polyurethanes.</p> <p>They are also used for making polymeric materials suitable for use as high voltage insulating materials.</p>
(5)	N,N-Dialkyl (Me, Et, n-Pr or i-Pr) phosphoramidic dihalides	A group of chemicals containing phosphorus and nitrogen	The chemicals have industrial application.	Some of the chemicals could be used in organic synthesis.
(6)	Dialkyl (Me, Et, n-Pr or i-Pr) N,N-dialkyl (Me, Et, n-Pr or i-Pr) phosphoramidates	A group of chemicals containing phosphorus and nitrogen	The chemicals have industrial application.	Some chemicals could be used in organic synthesis.

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(7)	Arsenic trichloride	A compound containing arsenic	The chemical has industrial applications.	The chemical is used in the electronic industry for Integrated Circuits (IC) fabrication, and in the manufacture of Light-Emitting Diodes (LED). It is also used in the manufacture of optical fibres, and in ceramic industry.
(8)	2,2-Diphenyl-2-hydroxyacetic acid	An organic acid	The chemical has industrial and pharmaceutical applications.	The chemical could be used in organic synthesis.
(9)	Quinuclidin-3-ol	An organic alcohol	The chemical has industrial and pharmaceutical applications.	The chemical could be used in organic synthesis, and in the manufacture of pharmaceutical.
(10)	N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethyl-2-chlorides and corresponding protonated salts	A group of organic chemicals containing nitrogen	The chemical has industrial and pharmaceutical applications.	The chemical could be used in organic synthesis, and in the manufacture of pharmaceutical.
(11)	N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-ols and corresponding protonated salts	A group of organic alcohols containing nitrogen	The chemicals have industrial application.	Some of the chemicals could be used in organic synthesis.

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(12)	N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-thiols and corresponding protonated salts	A group of organic chemicals containing sulphur	The chemicals have industrial application.	Some of the chemicals could be used in organic synthesis.
(13)	Thiodiglycol: Bis(2-hydroxyethyl)sulfide	An organic alcohol containing sulphur	The chemical has industrial applications.	The chemical is used as a dye-solvent for textile printing. It is also used in the manufacture of plastics, pesticides and herbicides.
(14)	Pinacolyl alcohol: 3,3-Dimethyl-butan-2-ol	An organic alcohol	The chemical has industrial application.	The chemical could be used in organic synthesis.