

# CWC SCHEDULE 1 CHEMICALS

## Schedule 1 Chemicals

(some common or trade names are shown in italics following the relevant chemical name)

	CAS Number	Import Tariff / Statistical Code
1.1 <i>O</i> -Alkyl ( $\leq C_{10}$ , including cycloalkyl) alkyl (Me, Et, <i>n</i> -Pr or <i>i</i> -Pr) phosphonofluoridates. eg:		2931.00.90.05
• Sarin: <i>O</i> -Isopropyl methylphosphonofluoridate	107-44-8	2931.00.90.03
• Soman: <i>O</i> -Pinacolyl methylphosphonofluoridate	96-64-0	2931.00.90.04
1.2 <i>O</i> -Alkyl ( $\leq C_{10}$ , including cycloalkyl) <i>N,N</i> -dialkyl (Me, Et, <i>n</i> -Pr or <i>i</i> -Pr)-phosphoramidocyanidates. eg:		2931.00.90.11
• Tabun: <i>O</i> -Ethyl <i>N,N</i> -dimethyl phosphoramidocyanidate	77-81-6	2931.00.90.10
1.3 <i>O</i> -Alkyl (H or $\leq C_{10}$ , including cycloalkyl) <i>S</i> -2-dialkyl (Me, Et, <i>n</i> -Pr or <i>i</i> -Pr)-aminoethyl alkyl (Me, Et, <i>n</i> -Pr or <i>i</i> -Pr) phosphonothiolates and corresponding alkylated and protonated salts. eg:		2930.90.00.37
• VX: <i>O</i> -Ethyl <i>S</i> -[2 (diisopropylamino)ethyl]methylphosphonothiolat	50782-69-9	2930.90.00.36
1.4 Sulfur mustards:		
• 2-Chloroethylchloromethylsulfide	2625-76-5	2930.90.00.49
• Bis(2-chloroethyl)sulfide <i>mustard gas (H)</i>	505-60-2	2930.90.00.45
• Bis(2-chloroethylthio)methane	63869-13-6	2930.90.00.51
• 1,2-Bis(2-chloroethylthio)ethane <i>sesquimustard</i>	3563-36-8	2930.90.00.52
• 1,3-Bis(2-chloroethylthio)- <i>n</i> -propane	63905-10-2	2930.90.00.53
• 1,4-Bis(2-chloroethylthio)- <i>n</i> -butane	142868-93-7	2930.90.00.54
• 1,5-Bis(2-chloroethylthio)- <i>n</i> -pentane	142868-94-8	2930.90.00.55
• Bis(2-chloroethylthiomethyl)ether	63918-90-1	2930.90.00.56
• Bis(2-chloroethylthioethyl)ether <i>O-mustard (T)</i>	63918-89-8	2930.90.00.57
1.5 Lewisites:		
• Lewisite 1: 2-Chlorovinylchloroarsine	541-25-3	2931.00.90.51
• Lewisite 2: Bis(2-chlorovinyl)chloroarsine	40334-69-8	2931.00.90.52
• Lewisite 3: Tris(2-chlorovinyl)arsine	40334-70-1	2931.00.90.53
1.6 Nitrogen mustards:		
• HN1: Bis(2-chloroethyl)ethylamine	538-07-8	2921.19.00.33
• HN2: Bis(2-chloroethyl)methylamine <i>mustine</i>	51-75-2	2921.19.00.34
• HN3: Tris(2-chloroethyl)amine <i>trimustine</i>	555-77-1	2921.19.00.35
1.7 Saxitoxin and salts thereof	35523-89-8	3002.90.00.10
1.8 Ricin and derivatives thereof	9009-86-3	3002.90.00.11
1.9 Alkyl (Me, Et, <i>n</i> -Pr or <i>i</i> -Pr) phosphonyl difluorides. eg:		2931.00.90.22
• Methylphosphonyl difluoride (DF)	676-99-3	2931.00.90.20
• Ethylphosphonyl difluoride	753-98-0	2931.00.90.21
1.10 <i>O</i> -Alkyl (H or $\leq C_{10}$ , incl. cycloalkyl) <i>O</i> -2-dialkyl (Me, Et, <i>n</i> -Pr or <i>i</i> -Pr)-aminoethyl alkyl (Me, Et, <i>n</i> -Pr or <i>i</i> -Pr) phosphonites and corresponding alkylated and protonated salts. eg:		2931.00.90.31
• QL: <i>O</i> -ethyl <i>O</i> -[2-(diisopropylamino)ethyl]methylphosphonite	57856-11-8	2931.00.90.30
1.11 Chlorosarin: <i>O</i> -Isopropyl methylphosphonochloridate	1445-76-7	2931.00.90.56
1.12 Chlorosoman: <i>O</i> -Pinacolyl methylphosphonochloridate	7040-57-5	2931.00.90.57

# CWC SCHEDULE 2 CHEMICALS

## Schedule 2 Chemicals

(some common or trade names are shown in italics following the relevant chemical name)

	CAS Number	Import Tariff / Statistical Code
<b>A. Toxic Chemicals</b>		
2.1 Amiton: <i>O,O</i> -Diethyl <i>S</i> -[2-(diethylamino)ethyl] phosphorothiolate and corresponding alkylated and protonated salts.	78-53-5	2930.90.00.58
2.2 PFIB: 1,1,3,3,3-pentafluoro-2-(trifluoromethyl)-1-propene	382-21-8	2903.30.00.65
2.3 BZ: 3-Quinuclidinyl benzilate*	6581-06-2	2933.39.00.61
<b>B. Precursors</b>		
2.4 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. Eg:		2931.00.90.90
• Methylphosphonyl dichloride	676-97-1	2931.00.90.60
• Ethylphosphinyl dichloride	1498-40-4	2931.00.90.61
• Ethylphosphonyl dichloride	1066-50-8	2931.00.90.62
• Diethyl methylphosphonite	15715-41-0	2931.00.90.63
• Dimethyl ethylphosphonate	6163-75-3	2931.00.90.64
• Dimethyl propylphosphonate	18755-43-6	2931.00.90.83
• Diethyl methylphosphonate	683-08-9	2931.00.90.65
• Ethylphosphinyl difluoride	430-78-4	2931.00.90.66
• Methyphosphinyl difluoride	753-59-3	2931.00.90.67
• Diethyl ethylphosphonate (phosphonic acid, ethyl-, diethyl ester)	78-38-6	2931.00.90.68
• Methylphosphonic acid (phosphonic acid, methyl)	993-13-5	2931.00.90.69
• Dimethyl methylphosphonate (phosphonic acid, methyl-, dimethyl ester)	756-79-6	2931.00.90.70
• Phosphonic acid, methyl-, dimethyl ester, polymer with oxirane and phosphorus oxide (P <sub>2</sub> O <sub>5</sub> ) <i>Fyrol 51</i>	70715-06-9	2931.00.90.85
• Diphenyl methylphosphonate	7526-26-3	2931.00.90.71
• Phosphonic acid, methyl-, mono[3-(trihydroxysilyl)propyl] ester, monosodium salt	84962-98-1	2931.00.90.72
• Phosphonic acid, methyl-, methyl 3-(trimethoxysilyl)-propyl ester	67812-17-3	2931.00.90.73
• Phosphonic acid, methyl-, monoammonium salt	34255-87-3	2931.00.90.74
• Phosphonic acid, methyl-, monomethyl ester, monosodium salt	73750-69-3	2931.00.90.75
• Phosphonothioic dichloride, ethyl-	993-43-1	2930.90.00.43
• Methylphosphinyl dichloride (phosphonous dichloride, methyl-)	676-83-5	2931.00.90.76
• Phosphonic acid, methyl-, bis(3-(trimethoxysilyl)propyl) ester	67812-18-4	2931.00.90.77
• Phosphonic acid, methyl-, compd. with (aminoiminomethyl) urea (1:1)	84402-58-4	2931.00.90.78
• Phosphonic acid, methyl-, (5-ethyl-2-methyl-1,3,2-dioxaphosphorinan-5-yl) methyl methyl ester, <i>P</i> -oxide	41203-81-0	2931.00.90.79
• Phosphonic acid, methyl-, bis[(5-ethyl-2-methyl-1,3,2-dioxaphosphorinan-5-yl) methyl ester, <i>P,P'</i> -dioxide	42595-45-9	2931.00.90.80
• Methyl hydrogen methylphosphonate	1066-53-1	2931.00.90.90
• Phosphonic acid, ethyl, bis(1-methyl ethyl) ester	1067-69-2	2931.00.90.90
• 2-Ethylhexyl hydrogen methylphosphonate	13688-82-9	2931.00.90.90
• Diisopropyl methylphosphonate	1445-75-6	2931.00.90.90
• <i>O</i> -Ethyl ethylphosphonochloridothioate	1497-68-3	2931.00.90.90

• Isopropylphosphonic dichloride	1498-46-0	2931.00.90.90
• Phosphonothioic dichloride, (1-methylethyl)	1498-60-8	2931.00.90.90
• Diethyl isopropylphosphonate	1538-69-8	2931.00.90.90
• <i>O</i> -Ethyl hydrogen methylphosphonothioate	18005-40-8	2931.00.90.90
• Phosphonic acid-methyl, monoethyl ester	1832-53-7	2931.00.90.90
• Phosphonic acid-methyl, mono(1-methylethyl) ester	1832-54-8	2931.00.90.90
• Dimethyl propylphosphonate	18755-43-6	2931.00.90.90
• Diethyl propylphosphonate	18812-51-6	2931.00.90.90
• Phosphonic acid, propyl-,bis(1-methylethyl) ester	18812-55-0	2931.00.90.90
• Phosphonic acid, methyl-, monocyclohexyl ester	1932-60-1	2931.00.90.90
• Sodium <i>O</i> -ethyl methylphosphonothioate	22307-81-9	2931.00.90.90
• Phosphonic diamide, pentamethyl	2511-17-3	2931.00.90.90
• Isopropylphosphonous dichloride	25235-15-8	2931.00.90.90
• Phosphonothioic dichloride, propyl	2524-01-8	2931.00.90.90
• Phosphonic acid-(1-methylethyl),bis(1- methylethyl) ester	3759-39-5	2931.00.90.90
• Phosphonic acid, methyl	4206-94-4	2931.00.90.90
• Propylphosphinic acid	4672-38-2	2931.00.90.90
• Propylphosphonic dichloride	4708-04-7	2931.00.90.90
• Phosphonic acid, methyl mono(1,2,2-trimethylpropyl) ester	616-52-4	2931.00.90.90
• Butyl methylphosphinate	6172-80-1	2931.00.90.90
• Methylphosphonothioic dichloride	676-98-2	2931.00.90.90
• Ethylphosphonic acid	6779-09-5	2931.00.90.90
• 2,4,6-Tripropyl-1,3,5,2,4,6-trioxatriphosphinane 2,4,6-trioxide	68957-94-8	2931.00.90.90
• Phosphonothioic acid, methyl-, <i>O,O</i> -diethyl ester	6996-81-2	2931.00.90.90
• 1-Propanaminium, N,N,N-trimethyl-3-[(1-oxo-9-octadecenyl)amino]-, ( <i>Z</i> )-,methyl methyl phosphonate	70055-71-9	2931.00.90.90
• Bis(1,2,2-trimethylpropyl) methylphosphonate	7040-58-6	2931.00.90.90
• Dipropyldiphosphonic acid	71760-04-8	2931.00.90.90
• <i>Dow Corning</i> <sup>®</sup> <i>Q1-6083 Antifreeze Additive</i>		3820.00.00.32
• <i>Flovan CGN (Ciba Specialty Chemicals Pty Ltd) or Flammentin MSG (Thor Specialties Pty Ltd)</i>		3809.91.00.46
• <i>Antiblaze</i> <sup>™</sup> <i>V490 (Rhodia Australia)</i>		2931.00.90.68
• <i>Reoflam 306 (Swift &amp; Company Ltd)</i>		3824.90.90.56
• <i>Antiblaze</i> <sup>™</sup> <i>CU (Rhodia Australia) or Pekoflam Pes New (Clariant (Australia) Pty Ltd)</i>		3809.91.00.46
• <i>Fyrol DMMP, Fyrol 51 (Akzo Nobel Chemicals Pty Ltd)</i>		2931.00.90.85
<b>Exemption: Fonofos: <i>O</i>-Ethyl <i>S</i>-phenylethylphosphono-thiolothionate</b>	<b>944-22-9</b>	<b>2930.90.00.61</b>
2.5 <i>N,N</i> -Dialkyl (Me, Et, <i>n</i> -Pr or <i>i</i> -Pr) phosphoramidic dihalides. eg: - <i>N,N</i> -Dimethylphosphoramidic dichloride	677-43-0	2929.90.00.41 2929.90.00.40
2.6 Dialkyl (Me, Et, <i>n</i> -Pr or <i>i</i> -Pr) <i>N,N</i> -dialkyl (Me, Et, <i>n</i> -Pr or <i>i</i> -Pr)-phosphoramidates. eg: - Diethyl <i>N,N</i> -Dimethylphosphoramidate	2404-03-7	2929.90.00.52 2929.90.00.51
2.7 Arsenic trichloride (arsenous trichloride)	7784-34-1	2812.10.00.35
2.8 2,2-Diphenyl-2-hydroxyacetic acid (benzilic acid)	76-93-7	2918.19.00.35
2.9 Quinuclidine-3-ol	1619-34-7	2933.39.00.62

2.10	<i>N,N</i> -Dialkyl (Me, Et, <i>n</i> -Pr or <i>i</i> -Pr) aminoethyl-2-chlorides and corresponding protonated salts. eg:		2921.19.00.75
	• <i>N,N</i> -Diethylaminoethyl-2-chloride, hydrochloride (Ethanamine, 2-chloro- <i>N,N</i> -diethyl hydrochloride)	869–24–9	2921.19.00.38
	• <i>N,N</i> -Diethylaminoethyl-2-chloride	100-35-6	2921.19.00.39
	• <i>N,N</i> -Diisopropylaminoethyl-2-chloride hydrochloride	4261–68–1	2921.19.00.40
	• <i>N,N</i> -Diisopropyl-2-aminoethyl chloride	96-79-7	2921.19.00.42
	• 2-Chloro- <i>N,N</i> -dimethylethanamine	107-99-3	2921.19.00.75
	• 2-Chloro- <i>N,N</i> -dimethylethanaminium chloride	4584-46-7	2921.19.00.75
2.11	<i>N,N</i> -Dialkyl (Me, Et, <i>n</i> -Pr or <i>i</i> -Pr) aminoethane-2-ols and corresponding protonated salts. eg:		2922.19.00.47
	2-Diisopropylaminoethanol	96–80–0	2922.19.00.46
	<b>Exemptions:</b>		
	• <i>N,N</i> -Dimethylaminoethanol and corresponding protonated salts	108–01–0	2922.19.00.40
	• <i>N,N</i> -Diethylaminoethanol and corresponding protonated salts	100–37–8	2922.19.00.41
2.12	<i>N,N</i> -Dialkyl (Me, Et, <i>n</i> -Pr or <i>i</i> -Pr) aminoethane-2-thiols and corresponding protonated salts. eg:		2930.90.00.47
	• <i>N,N</i> -Dimethylaminoethane-2-thiol hydrochloride	13242–44–9	2930.90.00.40
	• <i>N,N</i> -Diisopropylaminoethane-2-thiol hydrochloride	41480-75-5	2930.90.00.41
	• 2-(Diethylamino)ethanthiol	100-38-9	2930.90.00.47
	• <i>N,N</i> -Diethyl-2-sulfanylethanaminium chloride	1942-52-5	2930.90.00.47
	• 2-(Diisopropylamino)ethanthiol	5842-07-9	2930.90.00.47
2.13	Thiodiglycol	111–48–8	2930.90.00.60
	<i>Glyezin A (Orica Spectrum) Basazol C Yellow 50L or Basazol C Orange 54L (BASF Australia Limited)</i>		3204.15.00.51
2.14	Pinacolyl alcohol: 3,3-dimethylbutan-2-ol (2-butanol, 3,3-dimethyl-)	464–07–3	2905.19.90.52

## CWC SCHEDULE 3 CHEMICALS

Schedule 3 Chemicals	CAS Number	Import Tariff / Statistical Code
<b>A. Toxic chemicals:</b>		
3.1 Phosgene (carbonyl dichloride)	75-44-5	2812.10.00.36
3.2 Cyanogen chloride	506-77-4	2851.00.00.22
3.3 Hydrogen cyanide (hydrocyanic acid)	74-90-8	2811.19.00.38
3.4 Chloropicrin (trichloronitromethane)	76-06-2	2904.90.00.67
<b>B. Precursors</b>		
3.5 Phosphorus oxychloride (phosphoryl chloride)	10025-87-3	2812.10.00.37
3.6 Phosphorus trichloride	7719-12-2	2812.10.00.38
3.7 Phosphorus pentachloride (phosphorane, pentachloro)	10026-13-8	2812.10.00.39
3.8 Trimethyl phosphite (phosphorous acid, trimethyl ester)	121-45-9	2920.90.00.51
3.9 Triethyl phosphite (phosphorous acid, triethyl ester)	122-52-1	2920.90.00.52
3.10 Dimethyl phosphite (phosphonic acid, dimethyl ester)	868-85-9	2920.90.00.53
3.11 Diethyl phosphite (phosphonic acid, diethyl ester)	762-04-9	2920.90.00.54
3.12 Sulfur monochloride (sulfur chloride – S <sub>2</sub> Cl <sub>2</sub> )	10025-67-9	2812.10.00.40
3.13 Sulfur dichloride (sulfur chloride – SCl <sub>2</sub> )	10545-99-0	2812.10.00.41
3.14 Thionyl chloride	7719-09-7	2812.10.00.42
3.15 Ethyldiethanolamine	139-87-7	2922.19.00.43
3.16 Methyl-diethanolamine MDEA <i>Ucarsol Solvents (Dow Chemical (Australia) Ltd)</i>	105-59-9	2922.19.00.44 3824.90.90.56
3.17 Triethanolamine <i>Plasma-flo, Fre-flo (R H Minter Pty Ltd)</i>	102-71-6	2922.13.00.38 3824.90.90.56

**Note to Schedules:** Chemicals that are commonly traded are highlighted in blue text, tradenames are provided in italics and chemicals that are exempt or currently not regulated are printed in red text.