ANNEXES TO THE AGGREGATE NATIONAL DATA DECLARATION GUIDANCE NOTES FOR SCHEDULE 2 AND SCHEDULE 3 CHEMICALS

Annex A CWC Schedule 2 & Schedule 3 Chemicals

Schedule 2 Chemical	Chemical Abstract Service Number (CAS)
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 I, 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)	
o Dialkyi (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	(1691-34-7)
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: NN-Dimethylaminoethanol	(108-01-0)
and corresponding protonated salts N,N-Diethylamirioethanol and corresponding protonated salts	(100-37-8)
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-Dimethylbutane-2-o1	(464-07-3)

Schedule 3 Chemical	Chemical Abstract Service Number (CAS)
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)

<u>Schedule</u>	CAS Number	Chemical Name
Schedule 2		
2A01	78-53-5	O,O-Diethyl S-2-diethylaminoethyl phosphorothiolate
2A02	382-21-8	1,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1-propene
2A03	6581-06-2	3-Quinuclidinyl benzilate
2B041		Sodium O-(cyclohexylmethyl) isopropylphosphonothiolate
2B041		Sodium O-(cyclohexylmethyl) propylphosphonothiolate
2B041		Sodium O-heptyl isopropylphosphonothiolate
2B041		Sodium O-(1-ethylpropyl) propylphosphonothiolate
2B041		Sodium O-ethyl isopropylphosphonothiolate
2B041		Isopropyl ethylphosphonochloridate
2B041		Sodium O-isopropyl isopropylphosphonothiolate
2B041		Sodium O-propyl propylphosphonothiolate
2B041		Sodium O-butyl isopropylphosphonothiolate
2B041		Sodium O-butyl propylphosphonothiolate
2B041		Isobutyl isopropylphosphonochloridate
2B041		Isobutyl propylphosphonochloridate
2B041		Sec-butyl isopropylphosphonochloridate
2B041		Sodium O-(sec-butyl) isopropylphosphonothiolate
2B041		Sec-butyl propylphosphonochloridate
2B041		Sodium O-(1-methylbutyl) propylphosphonothiolate
2B041	1066-50-8	Ethylphosphonic dichloride
2B041		Methyl hydrogen methylphosphonate
2B041		S-Methyl methylphosphonochloridothiolate
2B041	133826-40-1	Phenyl methylphosphonofluoridate
2B041		2-Ethylhexyl hydrogen methylphosphonate
2B041	138780-00-4	(E)-2-Butenyl methylphosphonofluoridate
2B041	1445-75-6	Diisopropyl methylphosphonate
2B041	1498-46-0	Isopropylphosphonic dichloride
2B041	1538-69-8	Diethyl isopropylphosphonate
2B041		Isobutyl methylphosphonochloridate
2B041	18755-43-6	Dimethyl propylphosphonate
2B041	18812-51-6	Diethyl propylphosphonate
2B041		Sodium O-ethyl methylphosphonothiolate
2B041		O-Ethyl hydrogen methylphosphonothiolate
2B041	2404-73-1	Dibutyl methylphosphonate
2B041		1-Methyl-2-propynyl methylphosphonofluoridate
2B041	4672-38-2	Propylphosphonic acid
2B041	4708-04-7	Propylphosphonic dichloride
2B041		Sodium O-propyl methylphosphonothiolate
2B041	5284-09-3	Ethyl methylphosphonochloridate
2B041		Methylphosphonothioic O,O-acid
2B041	676-97-1	Methylphosphonic dichloride

<u>Annex B</u> Schedule 2 & Schedule 3 Chemicals Declared by States Party

2B041		Ethylphosphonic acid
2B041	683-08-9	Diethyl methylphosphonate
2B041		2,4,6-Tripropyl-1,3,5,2,4,6-trioxatriphosphinane 2,4,6-
		trioxide
2B041	7040-58-6	Dipinacolyl methylphosphonate
2B041		Dipropyldiphosphonic acid
2B041		S-Methyl hydrogen methylphosphonothiolate
2B041	756-79-6	Dimethyl methylphosphonate
2B041	78-38-6	Diethyl ethylphosphonate
2B041		Sodium O-isopropyl methylphosphonothiolate
2B041		Methylphosphonic acid
2B042		Butyl methylphosphinate
2B043	15715-41-0	Diethyl methylphosphonite
2B043	25235-15-8	Isopropylphosphonous dichloride
2B043		Diethyl ethylphosphonite
2B043		Diethyl isopropylphosphonite
2B043	676-83-5	Methylphosphonous dichloride
2B043		Ethyl hydrogen methylphosphonite
2B045		Sodium O-decyl methylphosphonothionate
2B045		Sodium O-(1-ethylpropyl) ethylphosphonothionate
2B045		Sodium O-(1,2-dimethylpropyl) ethylphosphonothionate
2B045		N-Ethylbenzenaminium O-(1.2-dimethylpropyl)
		methylphosphonothionate (+)
2B045		N-Ethylbenzenaminium O-(1,2-dimethylpropyl)
		methylphosphonothionate (-)
2B045		Sodium O-(1-methylbutyl) methylphosphonothiolate
2B045		Sodium O-(1,2,2-trimethylpropyl) ethylphosphonothionate
2B045		Sodium O-(1-methylpentyl) ethylphosphonothionate
2B045		Sodium O-ethyl propylphosphonothionate
2B045		N-Dicyclohexylammonium O-(2,2-dimethylpropyl)
		methylphosphonothionate
2B045		N-Ethylbenzenaminium O-neopentyl
		methylphosphonothionate
2B045		Sodium O-neopentyl methylphosphonothionate
2B045		Sodium O-(1-ethylbutyl) ethylphosphonothionate
2B045		Ethylphosphonothioic acid
2B045		Ethyl ethylphosphonochloridothionate
2B045	1497-69-4	O-Methyl ethylphosphonochloridothionate
2B045	18005-40-8	O-Ethyl hydrogen methylphosphonothionate
2B045		O-Isobutyl hydrogen methylphosphonothionate
2B045		O-Methyl methylphosphonochloridothionate
2B045	2524-16-5	O-Ethyl methylphosphonochloridothionate
2B045	676-98-2	Methylphosphonothioic dichloride
2B045		Sodium O-methyl methylphosphonothiolate
2B045		Sodium O-isobutyl methylphosphonothionate
2B045	993-43-1	Ethylphosphonothioic dichloride

2B045		Methylphosphonothioic dichloride
2B045		Isopropylphosphonothioic O,O-acid
2B045		Propylphosphonothioic O,O-acid
2B05		N,N-Diethylphosphoramidic dichloride
2B05	23306-80-1	N,N-Diisopropylphosphoramidic dichloride
2B05	40881-98-9	N,N-Dipropylphosphoramidic dichloride
2B05	677-43-0	N,N-Dimethylphosphoramidic dichloride
2B07	7784-34-1	Arsenic trichloride
2B08	76-93-7	2,2-Diphenyl-2-hydroxyacetic acid
2B09	1619-34-7	3-Quinuclidinol
2B10	100-35-6	2-N,N-Diethylaminoethyl chloride
2B10	107-99-3	2-N,N-Dimethylaminoethyl chloride
2B10		2-N,N-Diethylaminoethyl chloride
2B10		2-N,N-Dimethylaminoethyl chloride
2B10		2-N,N-Dipropylaminoethyl chloride
2B10		2-N,N-Diisopropylaminoethyl chloride hydrochloride
2B10		2-N,N-Dimethylaminoethyl chloride hydrochloride
2B10		2-N,N-Diethylaminoethyl chloride hydrochloride
2B10	96-79-7	2-N,N-Diisopropylaminoethyl chloride
2B11	3238-75-3	2-N,N-Dipropylaminoethanol
2B11	96-80-0	2-N,N-Diisopropylaminoethanol
2B12	100-38-9	2-N,N-Diethylaminoethanethiol
2B12	108-02-1	2-N,N-Dimethylaminoethanethiol
2B12		2-N,N-Dimethylaminoethanethiol hydrochloride
2B12		2-N,N-Diethylaminoethanethiol hydrochloride
2B12		Sodium 2-(diethylamino)ethanethiolate
2B12		2-N,N-Diisopropylaminoethanethiol hydrochloride
2B12	5842-06-8	2-N,N-Dipropylaminoethanethiol
2B12	5842-07-9	2-N,N-D11sopropylaminoethanethiol
2B13	111-48-8	Bis(2-hydroxyethyl)sulfide
	164.07.2	
2B14	464-07-3	3,3-Dimethyl-2-butanol
Schedule 3		Cathered distants
JAUI	/ 3-44-3	
24.02	506 77 4	Cyanagan aklarida
3AU2	306-77-4	Cyanogen chioride
24.02	74.00.9	Hudrogon quanida
JAUJ	/4-90-8	
1		

3A04	76-06-2	Trichloronitromethane
3B05	10025-87-3	Phosphorous oxychloride
3B06	7719-12-2	Phosphorous trichloride
3B07	10026-13-8	Phosphorous pentachloride
3B08	121-45-9	Trimethyl phosphite
3B09	122-52-1	Triethyl phosphite
3B10	868-85-9	Dimethyl phosphite
3B11	762-04-9	Diethyl phosphite
3B12	10025-67-9	Sulfur monochloride
3B13	10545-99-0	Sulfur dichloride
3B14	7719-09-7	Thionyl chloride
3B15	139-87-7	Ethyldiethanolamine
3B16	105-59-9	Methyldiethanolamine
3B17	102-71-6	Triethanolamine

<u>Annex C</u> Definitions

The definitions below follow the definitions in the Chemical Weapons Convention and might be slightly different from their normal meaning within the chemical industry.

Production

Production is defined under the CWC as "formation through a chemical reaction or synthesis" - that is, arising from a chemical change involving the formation and/or breaking of chemical bonds.

It is understood, for declaration purposes, to include all steps in the production of a chemical in any units within the same plant through chemical reaction, including any associated processes (e.g. purification, separation, extraction, distillation, or refining) in which the chemical is not converted into another chemical. The exact nature of any associated process (e.g. purification, etc.) is not required to be declared.

It is also understood, for declaration purposes, to include intermediates, by-products, or waste products that are produced and consumed within a defined chemical manufacturing sequence, where such intermediates, by-products, or waste products are chemically stable and therefore exist for a sufficient time to make isolation from the manufacturing stream possible, but where, under normal or design operating conditions, isolation does not occur.

Processing

Processing is physical manipulation of a chemical without a chemical reaction taking place, that is without the formation or breaking of chemical bonds. Examples of processing include formulation, extraction, purification, crystallisation, distillation, condensation, consumption, dilution, concentration, compression and dispersion. Any waste disposal processes occurring on the organisation's site involving a Schedule 2 chemical, which do not result in the consumption of that chemical (e.g. disposal of waste containing a Schedule 2 chemical in a landfill on the organisation's site or blending of such waste with other materials), should also be considered as processing. However, activities such as repackaging and distribution are not considered to be processing.

Consumption

Consumption of a chemical means its conversion into another chemical through a chemical reaction involving the making or breaking of chemical bonds. Therefore, some forms of waste disposal in which a Schedule 2 chemical is converted into another chemical, such as incineration, biodegradation or hydrolysis, e.g. in a scrubber system, should be considered as consumption.

Imports

An import is the physical movement of scheduled chemicals into the territory or any other place under the jurisdiction or control of the UK from the territory or any other place under the jurisdiction or control of another country, excluding transit operations. You must specify the country from which the scheduled chemicals were dispatched, excluding the countries through which the scheduled chemicals transited and regardless of the country in which the scheduled chemicals were produced. Declare chemicals that are directly imported by your organisation from outside the UK. Direct imports do not include imported goods bought from or through a trader in the UK. Imports from the Crown Dependencies and British Overseas Territories do not need to be declared.

Exports

An export is the physical movement of scheduled chemicals out of the territory or any other place under the jurisdiction or control of the UK into the territory or any other place under the jurisdiction or control of another country, excluding transit operations. You must specify the intended country of destination, excluding the countries through which the scheduled chemicals transited.

Declare chemicals directly exported by your organisation to outside the UK. Direct exports do not include goods sold to a trader in the UK for onward export. Exports to the Crown Dependencies and British Overseas Territories do not need to be declared.

Transit Operations

Transit operations are the physical movements in which scheduled chemicals pass through the territory of a country on the way to their intended country of destination. Transit operations include changes in the means of transport, including temporary storage only for that purpose.

Chemical Mixtures

Schedule 2

A declaration is required for mixtures containing Schedule 2 chemicals where, at any point in the operation, the concentration of the Schedule 2 chemical(s) is greater than the following:

- Production/processing/consumption of Schedules 2A and 2A* chemicals 1%.
- Production/ processing/consumption of Schedule 2B chemicals 30%.

These concentration levels also apply to the import and export of chemical mixtures containing Schedule 2A and 2A* chemicals and Schedule 2B chemicals (i.e. 1% and 30% respectively).

Schedule 3

A declaration is required for mixtures containing Schedule 3 chemicals where, at any point in the operation, the concentration of the Schedule 3 chemical is greater than 30%.

This concentration level also applies to the import and export of chemical mixtures containing Schedule 3 chemicals.



<u>Annex E</u> Crown Dependencies and British Overseas Territories

Crown Dependencies

- ➢ Guernsey
- ➢ Isle of Man
- > Jersey

British Overseas Territories

- ➢ Anguilla
- ➢ Bermuda
- British Antarctic Territory
- British Indian Ocean Territory
- British Virgin Islands
- Cayman Islands
- Falkland Islands
- ➢ Gibraltar
- Montserrat
- Pitcairn Islands
- South Georgia and the South Sandwich Islands
- St Helena (with sub-dependencies Tristan da Cunha and Ascension Island)
- Turks and Caicos Islands