



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 Dimethyl methylphosphonate Exemption: Fonofos: O-Ethyl S-phenyl ethylphosphonothiolothionate | (676-97-1) (756-79-6) (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 | (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: N,N-Dimethylaminoethanol and corresponding protonated salts N,N-Diethylamirioethanol and corresponding protonated salts | (108-01-0) (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-ol | (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) |



Annex B **Schedule 2 & Schedule 3 Chemicals Declared by States Party**

| <u>Schedule</u> | <u>CAS Number</u> | <u>Chemical Name</u> |
|-------------------|-------------------|--|
| 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 |
| 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-Diisopropylaminoethanethiol |
| | | |
| 2B13 | 111-48-8 | Bis(2-hydroxyethyl)sulfide |
| | | |
| 2B14 | 464-07-3 | 3,3-Dimethyl-2-butanol |
| | | |
| Schedule 3 | | |
| 3A01 | 75-44-5 | Carbonyl dichloride |
| | | |
| 3A02 | 506-77-4 | Cyanogen chloride |
| | | |



| | | |
|-------------|------------|---------------------------|
| 3A03 | 74-90-8 | Hydrogen cyanide |
| | | |
| 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 |



Annex C **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).

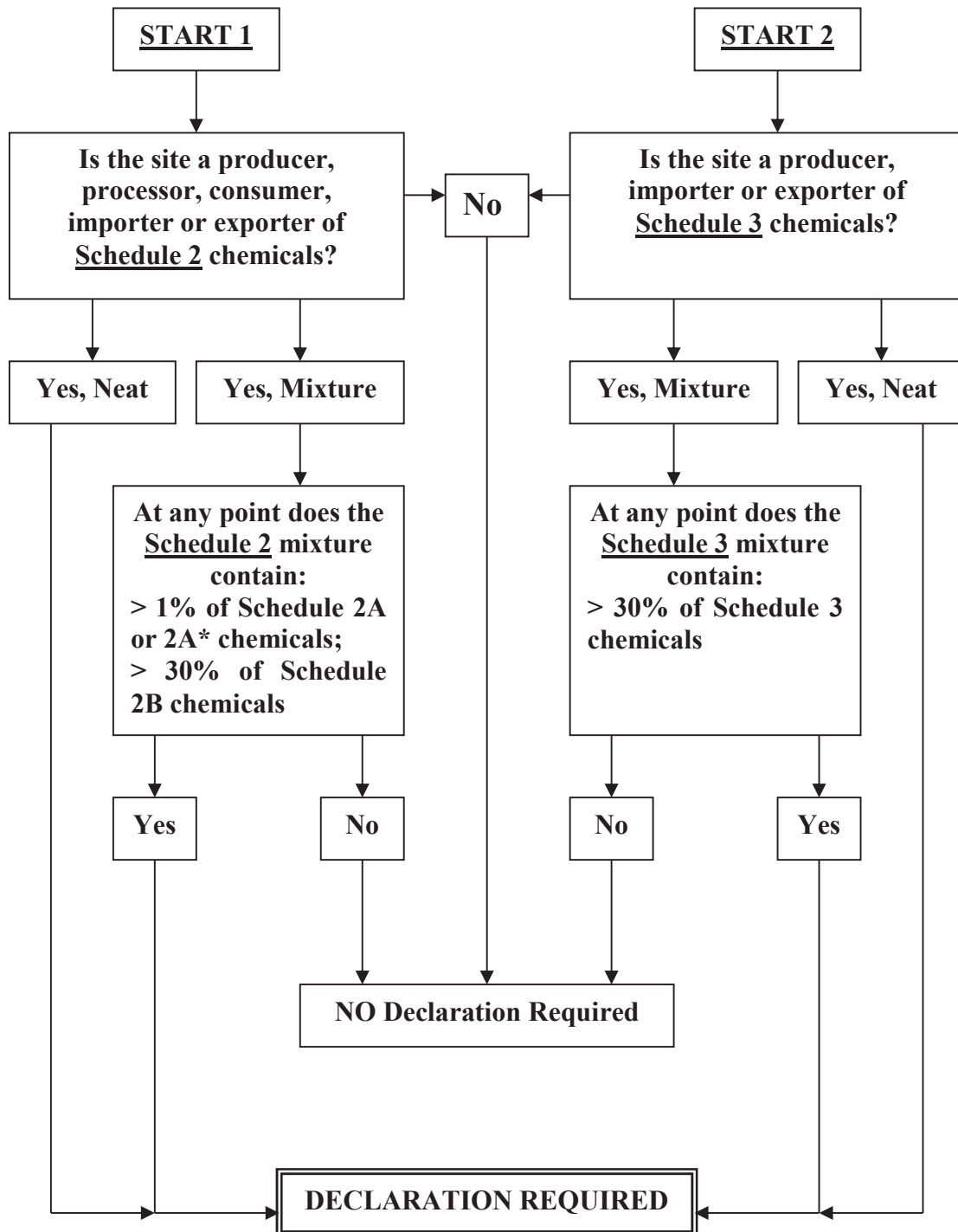
Schedule 3

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.



Annex D Declaration Flow Chart





Annex E 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