

A Guide to NA(CWC) Licence



National Authority (Chemical Weapons Convention)
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You may wish to visit our website at:
www.customs.gov.sg/businesses/chemical-weapons-convention/introduction for more information.

For further queries, please contact NA(CWC) at:
Helpdesk: 6775 5137
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1. What is the CWC & the NA(CWC)?

The Chemical Weapons Convention (CWC), also known as the Convention on the Prohibition of the development, production, stockpiling and use of Chemical Weapons and on its destruction, entered into force on 29 April 1997. Singapore ratified this convention in May 1997.

2. What is the NA(CWC) Licence?

The NA(CWC) Licence is a Licence that is issued by the Director, National Authority (Chemical Weapons Convention) in accordance with the Chemical Weapons (Prohibition) Act (Chapter 37B).

This Licence authorises companies that are involved in activities pertaining to the chemicals, both Scheduled Chemicals and Unscheduled Discrete Organic Chemicals (DOCs), controlled under the Chemical Weapons Convention or CWC, to carry out their activities.

The Licence reflects the maximum quantity that is applied for the chemical and its relevant activities that the company is allowed to handle for the year until the Licence expires. The company shall not exceed the licenced threshold that is allowed for the year unless an amended Licence has been granted to the company upon application for the amendment of the existing Licence prior to the commencement of the activity or activities. Please refer to "6. Terms & Conditions of the NA(CWC) Licence".

3. Controlled Activities & Definitions

Controlled Activity	Definitions
Production (of a chemical)	Refers to its formation through chemical reaction; or by biochemical or biologically mediated reaction.
Processing (of a chemical)	Refers to a physical process, such as formulation, extraction and purification, in which a chemical is not converted into another chemical.
Consumption (of a chemical)	Refers to its conversion into another chemical via a chemical reaction.
Import / Export	Refers to the transfer of chemical(s) between a destination in the local territory and other destination(s) in another territory.
Local Sale / Distribution	Refers to the transfer of chemical(s) between two locations within Singapore.

4. When do you need a NA(CWC) Licence?

A NA(CWC) Licence is required if you are involved in one or more of the following activities with respect to Scheduled Chemicals:

Activity	Schedule 1	Schedule 2	Schedule 3
Production*	✓	✓	✓
Processing*	✓	✓	✗
Consumption*	✓	✓	✗
Storage	✓	✗	✗
Import / Export*	✓	✓	✓
Local sale / distribution*	✓	✗	✗

* Please refer to "3. Controlled Activities & Definitions"

You will also require a NA(CWC) Licence for the production of unscheduled DOCs that meets either one or both of the following conditions:

Types of Unscheduled Chemicals	Quantity Produced per Year
Total DOCs (including both PSF-containing & non-PSF containing)	More than 200 tonnes
Any one PSF-containing	More than 30 tonnes

Note: For cases where multistep processes are involved, the company would need to look into the individual reaction process to determine if any relevant DOC would be produced as intermediates.

5. CWC Chemical Schedules

Schedule 1A & 1B

- A total of 16 chemicals or groups of chemicals
- Types of chemicals: Chemicals that may be used as chemical weapons or as precursors in the final single technological stage of production of a chemical weapon.
- Little or no commercial applications
- S/N 13 – 16 have been added to the list with effect from 7 June 2020

Some possible product categories that may use Schedule 1 Chemicals:

- Pesticide development
- Insecticide development
- Medicinal & pharmaceutical preparations
 - antineoplastic agents
 - neuromuscular blocking agents
 - monoclonal antibody preparations
 - intermediates for analgesics
- Flame-retardant additive research (plastics, resins, fibres)

Schedule 2A, 2A* & 2B

- A total of 14 chemicals or groups of chemicals
- Type of chemicals: Chemicals that may be used as chemical weapons or as precursors in one of the chemical reactions at the final stage of formation of a chemical listed in Schedule 1.
- Have moderate number of commercial applications

Some possible product categories that may use Schedule 2 Chemicals:

- Insecticides
- Flame retardant additive research (plastics, resins, fibres)
- Medical & pharmaceutical preparations
 - anticholinergics
 - arsenicals
 - tranquilliser preparations
 - hypotensive agent preparations
- Herbicides
- Fungicides
- Defoliants
- Rodenticides
- General product additives, inter alia :
 - antioxidants (fuels, lubricants, etc.)
 - colour stabilisers
 - lubricant additives
 - antistatic agents
- Dyes, and photographic industries
 - printing ink
 - ball point pen fluids
 - copy mediums
 - paints, coatings, etc.
- Metal plating preparations
- Toiletries including perfumes and scents
- Epoxy resins

Schedule 3A & 3B

- A total of 17 chemicals
- Type of chemicals: Chemicals that may be used as chemicals or is important in the production of one or more chemicals listed in Schedule 1 or Schedule 2.
- Have large number of commercial applications

Some possible product categories that may use Schedule 3 Chemicals:

- Resin and plastic production
 - polycarbonates
 - polyester carbonates
 - polyurethanes
 - polymethylmetacrylate
 - polysulfides
- Isocyanates
- Toiletries
- Pharmaceuticals
- Pesticides
- Herbicides
- Insecticides
- Amine manufacture
- Acrylonitrile manufacture
- Cyanic acid manufacture
- Cyanogen manufacture
- Cyanogen chloride manufacture
- Gold and other noble metal extraction solutions
- Metal plating preparations
- Soil fumigants
- Organic phosphate esters (hydraulic fluids, flame retardants, surfactants, sequestering agents)
- Organic phosphates (stabilizers, antioxidants, flame retardants, lubricants, plasticizers)

- xviii. Vulcanising agents for rubber
- xix. Batteries
- xx. Leather tannery and finishing supplies
- xxi. Surfactants for detergents, oil drilling emulsions, cutting oils, soaps and toiletries
- xxii. Corrosion inhibitors
- xxiii. Cement manufacture supplies

Unscheduled Discrete Organic Chemicals (DOCs)

Refers to any chemical belonging to the class of chemical compounds consisting of all compounds of carbon except for its oxides, sulfides and metal carbonates. They are identifiable by chemical name, structural formula (if known) and Chemical Abstracts Services (CAS) Registry Number (if assigned)

This term does not cover:

1. Oligomers & Polymers, whether or not containing Phosphorus, Sulfur or Fluorine.
2. Chemicals containing only carbon & metal.
3. Carbon monoxide & Carbon dioxide
(as referred in the term "*oxides of carbon*" in the above definition)
4. Carbon disulfide or Carbonyl sulfide
(as referred in the term "*sulfides of carbon*" in the above definition)

Note:

Plant sites that exclusively produce hydrocarbons and explosives are excluded from the purview of the NA(CWC), and do not require a NA(CWC) licence.

There are 2 types of unscheduled DOCs:

- PSF containing
DOCs containing the elements Phosphorus, Sulfur and/or Fluorine
- Non-PSF containing
DOCs that do not contain the elements Phosphorus, Sulfur and/or Fluorine

E.g.: *Acetone is a non-PSF containing DOCs;*
Carbon dioxide and Calcium carbonate are not DOCs;
Fluoromethane is a PSF-containing DOCs.

6. Joint Regulatory Control of Scheduled Chemical Weapons Convention (CWC) Chemicals

With effect from 21 August 2023, the National Environment Agency (NEA) and the Singapore Civil Defence Force (SCDF) will be co-regulating 47 scheduled CWC chemicals with Singapore Customs.

In addition to Singapore Customs' regulatory requirements, NEA and SCDF will be administering domestic regulatory controls on safety and security by co-regulating the 47 scheduled CWC chemicals as Hazardous Substances (HS) under the Environmental Protection and Management Act (EPMA) and its Regulations, or as Flammable Materials (FM) under the Fire Safety Act (FSA) and its Regulations respectively:

- a) NEA will co-regulate 35 of the 47 scheduled CWC chemicals as HS with Singapore Customs. NEA has been co-regulating 9 CWC chemicals and will co-regulate another 26 CWC chemicals as part of this regulatory change.
- b) SCDF will co-regulate the remaining 12 of the 47 scheduled CWC chemicals as FM with Singapore Customs.

Companies that perform the following activities which exceed the exemption threshold quantities or purities must obtain a licence/permit:

- a) Activities involving HS require a HS licence or permit for:
 - i. Import, export, manufacture, offer for sale, transport, storage and/or use – Companies will be required to obtain a HS licence. In addition to a HS licence, a HS transport approval will be required for the transportation of HS, subject to the type of HS and its quantity per transportation.
 - ii. Purchase, storage and/or use – Companies will be required to obtain a HS permit.

b) Activities involving FM require a P&FM licence for import, transport, storage or conveyance via pipeline.

All HS and FM licence/permit holders will be subject to safety requirements imposed by NEA and SCDF respectively. Facilities storing scheduled CWC chemicals will also be subject to enhanced security requirements under the respective regulatory regimes. Agencies will reach out to the licensees of these facilities and if necessary, arrange for a joint site inspection with the Singapore Police Force (SPF) to thoroughly assess the adequacy of existing onsite security measures. The latest details on the licensing/permit/approval requirements may also be found on the NEA and SCDF websites respectively:

NEA	https://www.nea.gov.sg/our-services/pollution-control/chemical-safety/hazardous-substances
SCDF	https://www.scdf.gov.sg/home/fire-safety/petroleum-and-flammable-material-licences

Please refer to the Appendix below for the full list of CWC Scheduled Chemicals jointly controlled with NEA and SCDF and their respective Product Codes.

S/N	CAS No. (CWC)	HS Code	CWC Product Description	CWC Product Code	Agency	CAS No. (NEA/SCDF)	NEA/SCDF Product Description	NEA/SCDF Product Code
Schedule 1A								
1	-	29315990	O-ALKYL (<= C10, INCL. CYCLOALKYL) ALKYL (ME, ET, N-PR OR I-PR)-PHOSPHONOFUORIDATES E.G. - SARIN: O-ISOPROPYL METHYLPHOSPHONOFUORIDATE, - SOMAN: O-PINACOLYL METHYLPHOSPHONOFUORIDATE	S1AN01	NEA	-	O-ALKYL (<= C10, INCL. CYCLOALKYL) ALKYL (ME, ET, N-PR OR I-PR)-PHOSPHONOFUORIDATES	PCDOAA111
	-	29315990	O-ALKYL (<= C10, INCL. CYCLOALKYL) ALKYL (ME, ET, N-PR OR I-PR)-PHOSPHONOFUORIDATES E.G. - SARIN: O-ISOPROPYL METHYLPHOSPHONOFUORIDATE, - SOMAN: O-PINACOLYL METHYLPHOSPHONOFUORIDATE	S1AN01	NEA	107-44-8	SARIN: O-ISOPROPYL METHYLPHOSPHONOFUORIDATE	PCDOAA112
	-	29315990	O-ALKYL (<= C10, INCL. CYCLOALKYL) ALKYL (ME, ET, N-PR OR I-PR)-PHOSPHONOFUORIDATES E.G. - SARIN: O-ISOPROPYL METHYLPHOSPHONOFUORIDATE, - SOMAN: O-PINACOLYL METHYLPHOSPHONOFUORIDATE	S1AN01	NEA	96-64-0	SOMAN: O-PINACOLYL METHYLPHOSPHONOFUORIDATE	PCDOAA113
	-	29315990	O-ALKYL (<= C10, INCL. CYCLOALKYL) ALKYL (ME, ET, N-PR OR I-PR)-PHOSPHONOFUORIDATES E.G. - SARIN: O-ISOPROPYL METHYLPHOSPHONOFUORIDATE, - SOMAN: O-PINACOLYL METHYLPHOSPHONOFUORIDATE	S1AN01	NEA	673-97-2	O-ETHYL METHYLPHOSPHONO FLUORIDATE	PCDOAA114
	-	29315990	O-ALKYL (<= C10, INCL. CYCLOALKYL) ALKYL (ME, ET, N-PR OR I-PR)-PHOSPHONOFUORIDATES E.G. - SARIN: O-ISOPROPYL METHYLPHOSPHONOFUORIDATE, - SOMAN: O-PINACOLYL METHYLPHOSPHONOFUORIDATE	S1AN01	NEA	329-99-7	O-CYCLOHEXYL METHYLPHOSPHONO FLUORIDATE	PCDOAA115
	-	29315990	O-ALKYL (<= C10, INCL. CYCLOALKYL) ALKYL (ME, ET, N-PR OR I-PR)-PHOSPHONOFUORIDATES E.G. - SARIN: O-ISOPROPYL METHYLPHOSPHONOFUORIDATE, - SOMAN: O-PINACOLYL METHYLPHOSPHONOFUORIDATE	S1AN01	NEA	352-63-6	O-N-BUTYL METHYLPHOSPHONO FLUORIDATE	PCDOAA116
	-	29315990	O-ALKYL (<= C10, INCL. CYCLOALKYL) ALKYL (ME, ET, N-PR OR I-PR)-PHOSPHONOFUORIDATES E.G. - SARIN: O-ISOPROPYL METHYLPHOSPHONOFUORIDATE, - SOMAN: O-PINACOLYL METHYLPHOSPHONOFUORIDATE	S1AN01	NEA	7284-84-6	O-CYCLOHEXYL ETHYLPHOSPHONO FLUORIDATE	PCDOAA117
	1401191-54-5; 108202-65-9	28459000	O-ISOPROPYL-D7 METHYLPHOSPHONOFUORIDATE; O-PINACOLYL-D13 METHYLPHOSPHONOFUORIDATE	S1AN01	NEA	1401191-54-5	O-ISOPROPYL-D7 METHYLPHOSPHONOFUORIDATE	PCDOAA118
	1401191-54-5; 108202-65-9	28459000	O-ISOPROPYL-D7 METHYLPHOSPHONOFUORIDATE; O-PINACOLYL-D13 METHYLPHOSPHONOFUORIDATE	S1AN01	NEA	108202-65-9	O-PINACOLYL-D13 METHYLPHOSPHONOFUORIDATE	PCDOAA119
	-	29315990	O-ALKYL (<= C10, INCL. CYCLOALKYL) ALKYL (ME, ET, N-PR OR I-PR)-PHOSPHONOFUORIDATES E.G. - SARIN: O-ISOPROPYL METHYLPHOSPHONOFUORIDATE, - SOMAN: O-PINACOLYL METHYLPHOSPHONOFUORIDATE	S1AN01	NEA	1189-87-3	O-ISOPROPYL ETHYLPHOSPHONOFUORIDATE	PCDOAA120
-	29315990	O-ALKYL (<= C10, INCL. CYCLOALKYL) ALKYL (ME, ET, N-PR OR I-PR)-PHOSPHONOFUORIDATES E.G. - SARIN: O-ISOPROPYL METHYLPHOSPHONOFUORIDATE, - SOMAN: O-PINACOLYL METHYLPHOSPHONOFUORIDATE	S1AN01	NEA	2053-81-8	O-ISOBUTYL METHYLPHOSPHONOFUORIDATE	PCDOAA121	
2	77-81-6	29314990	O-ALKYL (<= C10, INCL. CYCLOALKYL) N,N-DIALKYL (ME, ET, N-PR OR I-PR) PHOSPHORAMIDOCYANIDATES E.G. - TABUN: O-ETHYL N,N-DIMETHYL PHOSPHORAMIDOCYANIDATE	S1AN02	SCDF	77-81-6	O-ALKYL (<= C10, INCL. CYCLOALKYL) N,N-DIALKYL (ME, ET, N-PR OR I-PR) PHOSPHORAMIDOCYANIDATES E.G. - TABUN: O-ETHYL N,N-DIMETHYL PHOSPHORAMIDOCYANIDATE	SCDODP2810L3
3	-	29309090	O-ALKYL (H OR <= C10, INCL. CYCLOALKYL) S-2-DIALKYL (ME, ET, N-PR OR I-PR)-AMINOETHYL ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONOTHOLIATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G. - VX: O-ETHYL S-2-DIISOPROPYLAMINOETHYL METHYL PHOSPHONOTHIOLATE	S1AN03	NEA	-	O-ALKYL (H OR <= C10, INCL. CYCLOALKYL) S-2-DIALKYL (ME, ET, N-PR OR I-PR)-AMINOETHYL ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONOTHOLIATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS	PCDOAS111
	-	29309090	O-ALKYL (H OR <= C10, INCL. CYCLOALKYL) S-2-DIALKYL (ME, ET, N-PR OR I-PR)-AMINOETHYL ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONOTHOLIATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G. - VX: O-ETHYL S-2-DIISOPROPYLAMINOETHYL METHYL PHOSPHONOTHIOLATE	S1AN03	NEA	50782-69-9	VX: O-ETHYL S-2-DIISOPROPYLAMINOETHYL METHYL PHOSPHONOTHIOLATE	PCDOAS112
	-	29309090	O-ALKYL (H OR <= C10, INCL. CYCLOALKYL) S-2-DIALKYL (ME, ET, N-PR OR I-PR)-AMINOETHYL ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONOTHOLIATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G. - VX: O-ETHYL S-2-DIISOPROPYLAMINOETHYL METHYL PHOSPHONOTHIOLATE	S1AN03	NEA	468712-10-9	CVX: O-N-BUTYL S-2-DIETHYLAMINOETHYL METHYLPHOSPHONOTHIOLATE	PCDOAS113
	-	29309090	O-ALKYL (H OR <= C10, INCL. CYCLOALKYL) S-2-DIALKYL (ME, ET, N-PR OR I-PR)-AMINOETHYL ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONOTHOLIATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G. - VX: O-ETHYL S-2-DIISOPROPYLAMINOETHYL METHYL PHOSPHONOTHIOLATE	S1AN03	NEA	21738-25-0	VE: O-ETHYL S-2-DIETHYLAMINOETHYL ETHYLPHOSPHONOTHIOLATE	PCDOAS114
	-	29309090	O-ALKYL (H OR <= C10, INCL. CYCLOALKYL) S-2-DIALKYL (ME, ET, N-PR OR I-PR)-AMINOETHYL ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONOTHOLIATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G. - VX: O-ETHYL S-2-DIISOPROPYLAMINOETHYL METHYL PHOSPHONOTHIOLATE	S1AN03	NEA	21770-86-5	VM: O-ETHYL S-2-DIETHYLAMINOETHYL METHYLPHOSPHONOTHIOLATE	PCDOAS115
	-	29309090	O-ALKYL (H OR <= C10, INCL. CYCLOALKYL) S-2-DIALKYL (ME, ET, N-PR OR I-PR)-AMINOETHYL ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONOTHOLIATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G. - VX: O-ETHYL S-2-DIISOPROPYLAMINOETHYL METHYL PHOSPHONOTHIOLATE	S1AN03	NEA	159939-87-4	VR: O-(2-METHYLPROPYL) S-2-DIETHYLAMINOETHYL METHYLPHOSPHONOTHIOLATE	PCDOAS116
	1276665-26-9	28459000	O-ETHYL-D5 S-2-DIISOPROPYLAMINOETHYL METHYLPHOSPHONOTHIOLATE	S1AN03	NEA	1276665-26-9	O-ETHYL-D5 S-2-DIISOPROPYLAMINOETHYL METHYLPHOSPHONOTHIOLATE	PCDOAS117

	-	29309090	O-ALKYL (H OR <= C10, INCL. CYCLOALKYL) S-2-DIALKYL (ME, ET, N-PR OR I-PR)-AMINOETHYL ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONOTHIOLATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G. - VX: O-ETHYL S-2-DIISOPROPYLAMINOETHYL METHYL PHOSPHONOTHIOLATE	S1AN03	NEA	52364-45-1	O-PROPYL S-2-DIISOPROPYLAMINOETHYL METHYL PHOSPHONOTHIOLATE	PCDOAS118
	-	29309090	O-ALKYL (H OR <= C10, INCL. CYCLOALKYL) S-2-DIALKYL (ME, ET, N-PR OR I-PR)-AMINOETHYL ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONOTHIOLATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G. - VX: O-ETHYL S-2-DIISOPROPYLAMINOETHYL METHYL PHOSPHONOTHIOLATE	S1AN03	NEA	73207-98-4	S-2-DIISOPROPYLAMINOETHYL METHYLPHOSPHONOTHIOLATE	PCDOAS119
4	2625-76-5	29309090	- 2- CHLOROETHYLCHLOROMETHYLSULFIDE	S1AB01	SCDF	2625-76-5	- 2- CHLOROETHYLCHLOROMETHYLSULFIDE	SCDCM0000L3
	505-60-2	29309090	- MUSTARD GAS: BIS(2-CHLOROETHYL)SULFIDE	S1AB02	SCDF	505-60-2	- MUSTARD GAS: BIS(2-CHLOROETHYL)SULFIDE	SCDMBS2810L3
	63869-13-6	29309090	- BIS(2-CHLOROETHYLTHIO)METHANE	S1AB03	SCDF	63869-13-6	- BIS(2-CHLOROETHYLTHIO)METHANE	SCDBCM2810L3
	3563-36-8	29309090	- SESQUIMUSTARD: 1,2-BIS(2-CHLOROETHYLTHIO)ETHANE	S1AB04	SCDF	3563-36-8	- SESQUIMUSTARD: 1,2-BIS(2-CHLOROETHYLTHIO)ETHANE	SCDSBE2810L3
	63905-10-2	29309090	- 1,3-BIS(2-CHLOROETHYLTHIO)-N-PROPANE	S1AB05	SCDF	63905-10-2	- 1,3-BIS(2-CHLOROETHYLTHIO)-N-PROPANE	SCDBNP2810L3
	142868-93-7	29309090	- 1,4-BIS(2-CHLOROETHYLTHIO)-N-BUTANE	S1AB06	SCDF	142868-93-7	- 1,4-BIS(2-CHLOROETHYLTHIO)-N-BUTANE	SCDBNB2810L3
	142868-94-8	29309090	- 1,5-BIS(2-CHLOROETHYLTHIO)-N-PENTANE	S1AB07	SCDF	142868-94-8	- 1,5-BIS(2-CHLOROETHYLTHIO)-N-PENTANE	SCDBNP0000L2
	63918-90-1	29309090	- BIS(2-CHLOROETHYLTHIOMETHYL)ETHER	S1AB08	SCDF	63918-90-1	- BIS(2-CHLOROETHYLTHIOMETHYL)ETHER	SCDBCE2810L3
63918-89-8	29309090	- O-MUSTARD: BIS(2-CHLOROETHYLTHIOETHYL)ETHER	S1AB09	SCDF	63918-89-8	- O-MUSTARD: BIS(2-CHLOROETHYLTHIOETHYL)ETHER	SCDMCE0000L3	
5	541-25-3	29319041 (in liquid form) or 29319049 (in forms other than liquid)	LEWISITE 1: 2-CHLOROVINYLDICHLOROARSINE	S1AB10	NEA	541-25-3	LEWISITE 1: 2-CHLOROVINYLDICHLOROARSINE	PCDLEW111
	40334-69-8	29319041 (in liquid form) or 29319049 (in forms other than liquid)	LEWISITE 2: BIS(2-CHLOROVINYL)CHLOROARSINE	S1AB11	NEA	40334-69-8	LEWISITE 2: BIS(2-CHLOROVINYL)CHLOROARSINE	PCDLEW112
	40334-70-1	29319041 (in liquid form) or 29319049 (in forms other than liquid)	LEWISITE 3: TRIS(2-CHLOROVINYL)ARSINE	S1AB12	NEA	40334-70-1	LEWISITE 3: TRIS(2-CHLOROVINYL)ARSINE	PCDLEW113
6	538-07-8	29211900	HN1: BIS(2-CHLOROETHYL)ETHYLAMINE	S1AB13	NEA	538-07-8	HN1: BIS(2-CHLOROETHYL)ETHYLAMINE	PCDHNN111
	51-75-2	29211900	HN2: BIS(2-CHLOROETHYL)METHYLAMINE	S1AB14	NEA	51-75-2	HN2: BIS(2-CHLOROETHYL)METHYLAMINE	PCDHNN112
	555-77-1	29211900	HN3: TRIS(2-CHLOROETHYL)AMINE	S1AB15	NEA	555-77-1	HN3: TRIS(2-CHLOROETHYL)AMINE	PCDHNN113
7	35523-89-8	29398000	SAXITOXIN	S1AT01	NEA	35523-89-8	SAXITOXIN	PCDSAX111
8	9009-86-3	30024900	RICIN	S1AT02	NEA	9009-86-3	RICIN	PCDRIC111
13	-	29315990	P-ALKYL (H OR <=C10, INCL. CYCLOALKYL) N-(1-(DIALKYL(<=C10, INCL. CYCLOALKYL)AMINO)ALKYLIDENE(H OR <=C10, INCL. CYCLOALKYL) PHOSPHONAMIDIC FLUORIDES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G: N-(1-(DI-N-DECYLAMINO)-N-DECYLIDENE)-P- DECYLPHOSPHONAMIDIC FLUORIDE E.G: METHYL-(1-(DIETHYLAMINO)ETHYLIDENE) PHOSPHONAMIDOFUORIDATE	S1AN04	NEA	-	P-ALKYL (H OR <=C10, INCL. CYCLOALKYL) N-(1-(DIALKYL(<=C10, INCL. CYCLOALKYL)AMINO)ALKYLIDENE(H OR <=C10, INCL. CYCLOALKYL) PHOSPHONAMIDIC FLUORIDES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS	PCDPAN111

		29315990	P-ALKYL (H OR ≤C10, INCL. CYCLOALKYL) N-(1-(DIALKYL(≤C10, INCL. CYCLOALKYL)AMINO))ALKYLIDENE(H OR ≤C10, INCL. CYCLOALKYL) PHOSPHONAMIDIC FLUORIDES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G: N-(1-(DI-N-DECYLAMINO)-N-DECYLIDENE)-P- DECYLPHOSPHONAMIDIC FLUORIDE E.G: METHYL-(1-(DIETHYLAMINO)ETHYLIDENE) PHOSPHONAMIDOFUORIDATE	S1AN04	NEA	2387495-99-8	N-(1-(DI-N-DECYLAMINO)-N-DECYLIDENE)-P-DECYLPHOSPHONAMIDIC FLUORIDE	PCDPAN112
		29315990	P-ALKYL (H OR ≤C10, INCL. CYCLOALKYL) N-(1-(DIALKYL(≤C10, INCL. CYCLOALKYL)AMINO))ALKYLIDENE(H OR ≤C10, INCL. CYCLOALKYL) PHOSPHONAMIDIC FLUORIDES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G: N-(1-(DI-N-DECYLAMINO)-N-DECYLIDENE)-P- DECYLPHOSPHONAMIDIC FLUORIDE E.G: METHYL-(1-(DIETHYLAMINO)ETHYLIDENE) PHOSPHONAMIDOFUORIDATE	S1AN04	NEA	2387496-12-8	METHYL-(1-(DIETHYLAMINO)ETHYLIDENE) PHOSPHONAMIDOFUORIDATE	PCDPAN113
14		29299090	O-ALKYL (H OR ≤C10, INCL. CYCLOALKYL) N-(1-(DIALKYL(≤C10, INCL. CYCLOALKYL)AMINO))ALKYLIDENE(H OR ≤C10, INCL. CYCLOALKYL) PHOSPHORAMIDOFUORIDATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G: O-N-DECYL N-(1-(DI-N-DECYLAMINO)-N-DECYLIDENE)PHOSPHORAMIDOFUORIDATE E.G: METHYL (1-(DIETHYLAMINO)ETHYLIDENE)PHOSPHORAMIDOFUORIDATE E.G: ETHYL (1-(DIETHYLAMINO)ETHYLIDENE)PHOSPHORAMIDOFUORIDATE	S1AN05	NEA	-	O-ALKYL (H OR ≤C10, INCL. CYCLOALKYL) N-(1-(DIALKYL(≤C10, INCL. CYCLOALKYL)AMINO))ALKYLIDENE(H OR ≤C10, INCL. CYCLOALKYL) PHOSPHORAMIDOFUORIDATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS	PCDOAN111
		29299090	O-ALKYL (H OR ≤C10, INCL. CYCLOALKYL) N-(1-(DIALKYL(≤C10, INCL. CYCLOALKYL)AMINO))ALKYLIDENE(H OR ≤C10, INCL. CYCLOALKYL) PHOSPHORAMIDOFUORIDATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G: O-N-DECYL N-(1-(DI-N-DECYLAMINO)-N-DECYLIDENE)PHOSPHORAMIDOFUORIDATE E.G: METHYL (1-(DIETHYLAMINO)ETHYLIDENE)PHOSPHORAMIDOFUORIDATE E.G: ETHYL (1-(DIETHYLAMINO)ETHYLIDENE)PHOSPHORAMIDOFUORIDATE	S1AN05	NEA	2387496-00-4	O-N-DECYL N-(1-(DI-N-DECYLAMINO)-N-DECYLIDENE)PHOSPHORAMIDOFUORIDATE	PCDOAN112
		29299090	O-ALKYL (H OR ≤C10, INCL. CYCLOALKYL) N-(1-(DIALKYL(≤C10, INCL. CYCLOALKYL)AMINO))ALKYLIDENE(H OR ≤C10, INCL. CYCLOALKYL) PHOSPHORAMIDOFUORIDATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G: O-N-DECYL N-(1-(DI-N-DECYLAMINO)-N-DECYLIDENE)PHOSPHORAMIDOFUORIDATE E.G: METHYL (1-(DIETHYLAMINO)ETHYLIDENE)PHOSPHORAMIDOFUORIDATE E.G: ETHYL (1-(DIETHYLAMINO)ETHYLIDENE)PHOSPHORAMIDOFUORIDATE	S1AN05	NEA	2387496-04-8	METHYL (1-(DIETHYLAMINO)ETHYLIDENE) PHOSPHORAMIDOFUORIDATE	PCDOAN113
		29299090	O-ALKYL (H OR ≤C10, INCL. CYCLOALKYL) N-(1-(DIALKYL(≤C10, INCL. CYCLOALKYL)AMINO))ALKYLIDENE(H OR ≤C10, INCL. CYCLOALKYL) PHOSPHORAMIDOFUORIDATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G: O-N-DECYL N-(1-(DI-N-DECYLAMINO)-N-DECYLIDENE)PHOSPHORAMIDOFUORIDATE E.G: METHYL (1-(DIETHYLAMINO)ETHYLIDENE)PHOSPHORAMIDOFUORIDATE E.G: ETHYL (1-(DIETHYLAMINO)ETHYLIDENE)PHOSPHORAMIDOFUORIDATE	S1AN05	NEA	2387496-06-0	ETHYL (1-(DIETHYLAMINO)ETHYLIDENE)PHOSPHORAMIDOFUORIDATE	PCDOAN114
		29299090	O-ALKYL (H OR ≤C10, INCL. CYCLOALKYL) N-(1-(DIALKYL(≤C10, INCL. CYCLOALKYL)AMINO))ALKYLIDENE(H OR ≤C10, INCL. CYCLOALKYL) PHOSPHORAMIDOFUORIDATES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G: O-N-DECYL N-(1-(DI-N-DECYLAMINO)-N-DECYLIDENE)PHOSPHORAMIDOFUORIDATE E.G: METHYL (1-(DIETHYLAMINO)ETHYLIDENE)PHOSPHORAMIDOFUORIDATE E.G: ETHYL (1-(DIETHYLAMINO)ETHYLIDENE)PHOSPHORAMIDOFUORIDATE	S1AN05	NEA	2723465-87-8	O-BUTYL N-(1-(DIBUTYLAMINO)BUTYLIDENE)PHOSPHORAMIDOFUORIDATE	PCDOAN115
	15	2387496-14-0	29315990	METHYL-(BIS(DIETHYLAMINO)METHYLENE) PHOSPHONAMIDOFUORIDATE	S1AN06	NEA	2387496-14-0	METHYL-(BIS(DIETHYLAMINO)METHYLENE) PHOSPHONAMIDOFUORIDATE
16		29333990	CARBAMATES (QUATERNARIES OF DIMETHYLCARBAMOYLOXYPYRIDINES): 1-[N,N-DIALKYL(≤C10)-N-(N-(HYDROXYL, CYANO, ACETOXY)ALKYL(≤C10)) AMMONIO]-N-[N-(3-DIMETHYLCARBAMOXY-ALPHA-PICOLINYL)-N,N-DIALKYL(≤C10) AMMONIO]DECANE DIBROMIDE (N=1-8) E.G: 1-[N,N-DIMETHYL-N-(2-HYDROXY)ETHYLAMMONIO]-10-[N-(3-DIMETHYLCARBAMOXY-ALPHA-PICOLINYL)-N,N-DIMETHYLAMMONIO]DECANE DIBROMIDE	S1AN07	NEA	-	CARBAMATES (QUATERNARIES OF DIMETHYLCARBAMOYLOXYPYRIDINES): 1-[N,N-DIALKYL(≤C10)-N-(N-(HYDROXYL, CYANO, ACETOXY)ALKYL(≤C10)) AMMONIO]-N-[N-(3-DIMETHYLCARBAMOXY-ALPHA-PICOLINYL)-N,N-DIALKYL(≤C10) AMMONIO]DECANE DIBROMIDE (N=1-8)	PCDCAQ111
		29333990	CARBAMATES (QUATERNARIES OF DIMETHYLCARBAMOYLOXYPYRIDINES): 1-[N,N-DIALKYL(≤C10)-N-(N-(HYDROXYL, CYANO, ACETOXY)ALKYL(≤C10)) AMMONIO]-N-[N-(3-DIMETHYLCARBAMOXY-ALPHA-PICOLINYL)-N,N-DIALKYL(≤C10) AMMONIO]DECANE DIBROMIDE (N=1-8) E.G: 1-[N,N-DIMETHYL-N-(2-HYDROXY)ETHYLAMMONIO]-10-[N-(3-DIMETHYLCARBAMOXY-ALPHA-PICOLINYL)-N,N-DIMETHYLAMMONIO]DECANE DIBROMIDE	S1AN07	NEA	77104-62-2	1-[N,N-DIMETHYL-N-(2-HYDROXY)ETHYLAMMONIO]-10-[N-(3-DIMETHYLCARBAMOXY-A-PICOLINYL)-N,N-DIMETHYLAMMONIO]DECANE DIBROMIDE	PCDCAQ112

-	29333990	CARBAMATES (BISQUATERNARIES OF DIMETHYLCARBAMOXYLOXYPYRIDINES): 1,N-BIS[N-(3-DIMETHYLCARBAMOXY-ALPHA-PICOLYL)-N,N-DIALKYL(≤C10) AMMONIO]-ALKANE-(2,(N-1)-DIONE) DIBROMIDE (N=2-12) E.G: 1,10-BIS[N-(3-DIMETHYLCARBAMOXY-ALPHA-PICOLYL)-N-ETHYL-N-METHYLAMMONIO]DECANE-2,9-DIONE DIBROMIDE	S1AN08	NEA	-	CARBAMATES (BISQUATERNARIES OF DIMETHYLCARBAMOXYLOXYPYRIDINES): 1,N-BIS[N-(3-DIMETHYLCARBAMOXY-ALPHA-PICOLYL)-N,N-DIALKYL(≤C10) AMMONIO]-ALKANE-(2,(N-1)-DIONE) DIBROMIDE (N=2-12)	PCDCAB111	
-	29333990	CARBAMATES (BISQUATERNARIES OF DIMETHYLCARBAMOXYLOXYPYRIDINES): 1,N-BIS[N-(3-DIMETHYLCARBAMOXY-ALPHA-PICOLYL)-N,N-DIALKYL(≤C10) AMMONIO]-ALKANE-(2,(N-1)-DIONE) DIBROMIDE (N=2-12) E.G: 1,10-BIS[N-(3-DIMETHYLCARBAMOXY-ALPHA-PICOLYL)-N-ETHYL-N-METHYLAMMONIO]DECANE-2,9-DIONE DIBROMIDE	S1AN08	NEA	77104-00-8	1,10-BIS[N-(3-DIMETHYLCARBAMOXY-A-PICOLYL)-N-ETHYL-N-METHYLAMMONIO]DECANE-2,9-DIONE DIBROMIDE	PCDCAB112	
Schedule 1B								
9	-	29315990	ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONYLDIFLUORIDES E.G. - DF: METHYLPHOSPHONYLDIFLUORIDE	S1BN01	NEA	-	ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONYLDIFLUORIDES	PCDAPH111
	-	29315990	ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONYLDIFLUORIDES E.G. - DF: METHYLPHOSPHONYLDIFLUORIDE	S1BN01	NEA	676-99-3	DF: METHYLPHOSPHONYLDIFLUORIDE	PCDAPH112
10	-	29314990	O-ALKYL (H OR ≤ C10, INCL. CYCLOALKYL) O-2-DIALKYL (ME, ET, N-PR OR I-PR)-AMINOETHYL ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONITES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G. - QL: O-ETHYL O-2-DIISOPROPYLAMINOETHYL METHYLPHOSPHONITE	S1BN02	NEA	-	O-ALKYL (H OR ≤ C10, INCL. CYCLOALKYL) O-2-DIALKYL (ME, ET, N-PR OR I-PR)-AMINOETHYL ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONITES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS	PCDOAO111
	-	29314990	O-ALKYL (H OR ≤ C10, INCL. CYCLOALKYL) O-2-DIALKYL (ME, ET, N-PR OR I-PR)-AMINOETHYL ALKYL (ME, ET, N-PR OR I-PR) PHOSPHONITES AND CORRESPONDING ALKYLATED OR PROTONATED SALTS E.G. - QL: O-ETHYL O-2-DIISOPROPYLAMINOETHYL METHYLPHOSPHONITE	S1BN02	NEA	57856-11-8	QL: O-ETHYL O-2-DIISOPROPYLAMINOETHYL METHYLPHOSPHONITE	PCDOAO112
11	1445-76-7	29315990	CHLOROSARIN: O-ISOPROPYL METHYLPHOSPHONOCHLORIDATE	S1BN03	NEA	1445-76-7	CHLOROSARIN: O-ISOPROPYL METHYLPHOSPHONOCHLORIDATE	PCDCSR111
12	7040-57-5	29315990	CHLOROSOMAN: O-PINACOLYL METHYLPHOSPHONOCHLORIDATE	S1BN04	NEA	7040-57-5	CHLOROSOMAN: O-PINACOLYL METHYLPHOSPHONOCHLORIDATE	PCDCSM111
Schedule 2A								
1	78-53-5	29309090	AMITON: O,O-DIETHYL S-[2-(DIETHYLAMINO)ETHYL] PHOSPHOROTHIOATE AND CORRESPONDING ALKYLATED OR PROTONATED SALTS	S2AN01	NEA*	78-53-5	AMITON: O,O-DIETHYL S-[2-(DIETHYLAMINO)ETHYL] PHOSPHOROTHIOATE AND CORRESPONDING ALKYLATED OR PROTONATED SALTS	PCDAMT111
2	382-21-8	29035900	PFIB: 1,1,3,3,3-PENTAFLUORO-2-(TRIFLUOROMETHYL)-1-PROPENE	S2AT01	NEA	382-21-8	PFIB: 1,1,3,3,3-PENTAFLUORO-2-(TRIFLUOROMETHYL)-1-PROPENE	PCDPFB111
Schedule 2A*								
3	6581-06-2	29333990	BZ: 3-QUINUCLIDINYL BENZILATE	S2AT02	NEA	6581-06-2	BZ: 3-QUINUCLIDINYL BENZILATE	PCDQBZ111
Schedule 2B								
4	-	29315990	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 CARBONS ATOMS EXEMPTION: - FONOFOS: O-ETHYL S-PHENYL ETHYLPHOSPHONOTHIOLOTHIONATE	S2BN01	NEA	-	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 CARBONS ATOMS EXEMPTION: - FONOFOS: O-ETHYL S-PHENYL ETHYLPHOSPHONOTHIOLOTHIONATE	PCDCPH111
	756-79-6	29314100	DIMETHYL METHYLPHOSPHONATE	S2BN01	NEA	756-79-6	DIMETHYL METHYLPHOSPHONATE	PCDCPH112
	78-38-6	29314300	DIETHYL ETHYLPHOSPHONATE	S2BN01	NEA	78-38-6	DIETHYL ETHYLPHOSPHONATE	PCDCPH113
	84962-98-1; 42595-45-9; 683-08-9; 1832-53-7; 4672-38-2; 616-52-4; 15715-41-0	29314990	SODIUM 3-(TRIHYDROXYSILYL)PROPYL METHYLPHOSPHONATE; BIS[(5-ETHYL-2-METHYL-2-OXIDO-1,3,2-DIOXAPHOSPHINAN-5-YL)METHYL] METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONATE; ETHYL METHYLPHOSPHONATE; PROPYLPHOSPHONIC ACID; PINACOLYL METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONITE	S2BN01	NEA	84962-98-1	SODIUM 3-(TRIHYDROXYSILYL)PROPYL METHYLPHOSPHONATE	PCDCPH114
	68957-94-8	29314600	2,4,6-TRIPROPYL-1,3,5,2,4,6-TRIOXATRIPHOSPHINANE 2,4,6-TRIOXIDE	S2BN01	NEA	68957-94-8	2,4,6-TRIPROPYL-1,3,5,2,4,6-TRIOXATRIPHOSPHINANE 2,4,6-TRIOXIDE	PCDCPH115
	68957-94-8	38249999	1-PROPANEPHOSPHONIC ACID CYCLIC ANHYDRIDE – IN MIXTURES OF CHEMICAL PREPARATIONS	S2BN01	NEA	68957-94-8	1-PROPANEPHOSPHONIC ACID CYCLIC ANHYDRIDE – IN MIXTURES OF CHEMICAL PREPARATIONS	PCDCPH115
	41203-81-0	29314700	(5-ETHYL-2-METHYL-2-OXIDO-1,3,2-DIOXAPHOSPHINAN-5-YL)METHYL METHYL METHYLPHOSPHONATE	S2BN01	NEA	41203-81-0	(5-ETHYL-2-METHYL-2-OXIDO-1,3,2-DIOXAPHOSPHINAN-5-YL)METHYL METHYL METHYLPHOSPHONATE	PCDCPH116
	3001-98-7	29314800	3,9-DIMETHYL-2,4,8,10-TETRAOXA-3,9-DIPHOSPHASPIRO (5.5) UNDECANE 3,9-DIOXIDE	S2BN01	NEA	3001-98-7	3,9-DIMETHYL-2,4,8,10-TETRAOXA-3,9-DIPHOSPHASPIRO (5.5) UNDECANE 3,9-DIOXIDE	PCDCPH117
	993-13-5	29314400	METHYLPHOSPHONIC ACID	S2BN01	NEA	993-13-5	METHYLPHOSPHONIC ACID	PCDCPH118
	84402-58-4	29314500	SALT OF METHYLPHOSPHONIC ACID AND (AMINOIMINOMETHYL)UREA (1 : 1)	S2BN01	NEA	84402-58-4	SALT OF METHYLPHOSPHONIC ACID AND (AMINOIMINOMETHYL)UREA (1 : 1)	PCDCPH119

	676-97-1	29315100	METHYLPHOSPHONIC DICHLORIDE	S2BN01	NEA	676-97-1	METHYLPHOSPHONIC DICHLORIDE	PCDCPH120
	4708-04-7	29315200	PROPYLPHOSPHONIC DICHLORIDE	S2BN01	NEA	4708-04-7	PROPYLPHOSPHONIC DICHLORIDE	PCDCPH121
	849-29-6	29315300	O-(3-CHLOROPROPYL) O-(4-NITRO-3-(TRIFLUOROMETHYL) PHENYL) METHYLPHOSPHONOTHIONATE	S2BN01	NEA	849-29-6	O-(3-CHLOROPROPYL) O-(4-NITRO-3-(TRIFLUOROMETHYL) PHENYL) METHYLPHOSPHONOTHIONATE	PCDCPH122
	-	29315990	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 CARBONS ATOMS EXEMPTION: - FONOFOS: O-ETHYL S-PHENYL ETHYLPHOSPHONOTHIOLOTHIONATE	S2BN01	NEA	676-83-5	DICHLOROMETHYL PHOSPHINE	PCDCPH123
	84962-98-1; 42595-45-9; 683-08-9; 1832-53-7; 4672-38-2; 616-52-4; 15715-41-0	29314990	SODIUM 3-(TRIHYDROXYSILYL)PROPYL METHYLPHOSPHONATE; BIS[(5-ETHYL-2-METHYL-2-OXIDO-1,3,2-DIOXAPHOSPHINAN-5-YL)METHYL] METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONATE; ETHYL METHYLPHOSPHONATE; PROPYLPHOSPHONIC ACID; PINACOLYL METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONITE	S2BN01	NEA	683-08-9	DIETHYL METHYLPHOSPHONATE	PCDCPH124
	18755-43-6	29314200	DIMETHYL PROPYLPHOSPHONATE	S2BN01	NEA	18755-43-6	DIMETHYL PROPYLPHOSPHONATE	PCDCPH125
	84962-98-1; 42595-45-9; 683-08-9; 1832-53-7; 4672-38-2; 616-52-4; 15715-41-0	29314990	SODIUM 3-(TRIHYDROXYSILYL)PROPYL METHYLPHOSPHONATE; BIS[(5-ETHYL-2-METHYL-2-OXIDO-1,3,2-DIOXAPHOSPHINAN-5-YL)METHYL] METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONATE; ETHYL METHYLPHOSPHONATE; PROPYLPHOSPHONIC ACID; PINACOLYL METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONITE	S2BN01	NEA	1832-53-7	ETHYL METHYLPHOSPHONATE	PCDCPH126
	-	29315990	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 CARBONS ATOMS EXEMPTION: - FONOFOS: O-ETHYL S-PHENYL ETHYLPHOSPHONOTHIOLOTHIONATE	S2BN01	NEA	1066-50-8	ETHYLPHOSPHONIC DICHLORIDE	PCDCPH127
	84962-98-1; 42595-45-9; 683-08-9; 1832-53-7; 4672-38-2; 616-52-4; 15715-41-0	29314990	SODIUM 3-(TRIHYDROXYSILYL)PROPYL METHYLPHOSPHONATE; BIS[(5-ETHYL-2-METHYL-2-OXIDO-1,3,2-DIOXAPHOSPHINAN-5-YL)METHYL] METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONATE; ETHYL METHYLPHOSPHONATE; PROPYLPHOSPHONIC ACID; PINACOLYL METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONITE	S2BN01	NEA	4672-38-2	PROPYLPHOSPHONIC ACID	PCDCPH128
	84962-98-1; 42595-45-9; 683-08-9; 1832-53-7; 4672-38-2; 616-52-4; 15715-41-0	29314990	SODIUM 3-(TRIHYDROXYSILYL)PROPYL METHYLPHOSPHONATE; BIS[(5-ETHYL-2-METHYL-2-OXIDO-1,3,2-DIOXAPHOSPHINAN-5-YL)METHYL] METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONATE; ETHYL METHYLPHOSPHONATE; PROPYLPHOSPHONIC ACID; PINACOLYL METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONITE	S2BN01	NEA	616-52-4	PINACOLYL METHYLPHOSPHONATE	PCDCPH129
	84962-98-1; 42595-45-9; 683-08-9; 1832-53-7; 4672-38-2; 616-52-4; 15715-41-0	29314990	SODIUM 3-(TRIHYDROXYSILYL)PROPYL METHYLPHOSPHONATE; BIS[(5-ETHYL-2-METHYL-2-OXIDO-1,3,2-DIOXAPHOSPHINAN-5-YL)METHYL] METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONATE; ETHYL METHYLPHOSPHONATE; PROPYLPHOSPHONIC ACID; PINACOLYL METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONITE	S2BN01	NEA	15715-41-0	DIETHYL METHYLPHOSPHONITE	PCDCPH130
	84962-98-1; 42595-45-9; 683-08-9; 1832-53-7; 4672-38-2; 616-52-4; 15715-41-0	29314990	SODIUM 3-(TRIHYDROXYSILYL)PROPYL METHYLPHOSPHONATE; BIS[(5-ETHYL-2-METHYL-2-OXIDO-1,3,2-DIOXAPHOSPHINAN-5-YL)METHYL] METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONATE; ETHYL METHYLPHOSPHONATE; PROPYLPHOSPHONIC ACID; PINACOLYL METHYLPHOSPHONATE; DIETHYL METHYLPHOSPHONITE	S2BN01	NEA	42595-45-9	BIS[(5-ETHYL-2-METHYL-2-OXIDO-1,3,2-DIOXAPHOSPHINAN-5-YL)METHYL] METHYLPHOSPHONATE	PCDCPH131
5	-	29299090	N,N-DIALKYL (ME, ET, N-PR OR I-PR) PHOSPHORAMIDIC DIHALIDES	S2BN02	SCDF	-	N,N-DIALKYL (ME, ET, N-PR OR I-PR) PHOSPHORAMIDIC DIHALIDES	SCDDPD0000L3
6	-	29299090	DIALKYL (ME, ET, N-PR OR I-PR) N,N-DIALKYL (ME, ET, N-PR OR I-PR)-PHOSPHORAMIDATES	S2BN03	NEA	-	DIALKYL (ME, ET, N-PR OR I-PR) N,N-DIALKYL (ME, ET, N-PR OR I-PR)-PHOSPHORAMIDATES	PCDDND111
7	7784-34-1	28121900	ARSENIC TRICHLORIDE	S2BB01	NEA*	7784-34-1	ARSENIC TRICHLORIDE	PCDART111
8	76-93-7	29181700	2,2-DIPHENYL-2-HYDROXYACETIC ACID	S2BT01	NEA	76-93-7	2,2-DIPHENYL-2-HYDROXYACETIC ACID	PCDDHA111
9	1619-34-7	29333500	QUINUCLIDIN-3-OL	S2BT02	NEA	1619-34-7	QUINUCLIDIN-3-OL	PCDQNO111
10	-	29211900	N,N-DIALKYL (ME, ET, N-PR OR I-PR) AMINOETHYL-2-CHLORIDE AND CORRESPONDING PROTONATED SALTS	S2BB02	NEA	-	N,N-DIALKYL (ME, ET, N-PR OR I-PR) AMINOETHYL-2-CHLORIDE AND CORRESPONDING PROTONATED SALTS	PCDNAC111
	4584-46-7	29211200	2-(N,N-DIMETHYLAMINO)ETHYLCHLORIDE HYDROCHLORIDE	S2BB02	NEA	4584-46-7	2-(N,N-DIMETHYLAMINO)ETHYLCHLORIDE HYDROCHLORIDE	PCDNAC112
	869-24-9	29211300	2-(N,N-DIETHYLAMINO)ETHYLCHLORIDE HYDROCHLORIDE	S2BB02	NEA	869-24-9	2-(N,N-DIETHYLAMINO)ETHYLCHLORIDE HYDROCHLORIDE	PCDNAC113
	4261-68-1	29211400	2-(N,N-DIISOPROPYLAMINO)ETHYLCHLORIDE HYDROCHLORIDE	S2BB02	NEA	4261-68-1	2-(N,N-DIISOPROPYLAMINO)ETHYLCHLORIDE HYDROCHLORIDE	PCDNAC114
11	3238-75-3	29221800	2-(N,N-DIISOPROPYLAMINO)ETHANOL	S2BB03	SCDF	3238-75-3	2-(N,N-DIISOPROPYLAMINO)ETHANOL	SCDNDA0000L3

	-	29221990	N,N-DIALKYL (ME, ET, N-PR OR I-PR) AMINOETHANE-2-OLS AND CORRESPONDING PROTONATED SALTS EXEMPTIONS: N,N-DIMETHYLAMINOETHANOL AND THEIR CORRESPONDING PROTONATED SALTS	S2BB03	SCDF	-	N,N-DIALKYL (ME, ET, N-PR OR I-PR) AMINOETHANE-2-OLS AND CORRESPONDING PROTONATED SALTS EXEMPTIONS: N,N-DIMETHYLAMINOETHANOL AND THEIR CORRESPONDING PROTONATED SALTS	SCDNDA0000L3
12	-	29309090	N,N-DIALKYL (ME, ET, N-PR OR I-PR) AMINOETHANE-2-THIOLS AND CORRESPONDING PROTONATED SALTS	S2BN04	NEA	-	N,N-DIALKYL (ME, ET, N-PR OR I-PR) AMINOETHANE-2-THIOLS AND CORRESPONDING PROTONATED SALTS	PCDNAT111
	100-38-9	29306000	2-(N,N-DIETHYLAMINO)ETHANETHIOL	S2BN04	NEA	100-38-9	2-(N,N-DIETHYLAMINO)ETHANETHIOL	PCDNAT112
	108-02-1	29301000	2-(N,N-DIMETHYLAMINO)ETHANETHIOL	S2BN04	NEA	108-02-1	2-(N,N-DIMETHYLAMINO)ETHANETHIOL	PCDNAT113
	-	29309090	N,N-DIALKYL (ME, ET, N-PR OR I-PR) AMINOETHANE-2-THIOLS AND CORRESPONDING PROTONATED SALTS	S2BN04	NEA	13242-44-9	2-(DIMETHYLAMINO)ETHANETHIOL HYDROCHLORIDE	PCDNAT114
	-	29309090	N,N-DIALKYL (ME, ET, N-PR OR I-PR) AMINOETHANE-2-THIOLS AND CORRESPONDING PROTONATED SALTS	S2BN04	NEA	1942-52-5	2-(DIETHYLAMINO)ETHANETHIOL HYDROCHLORIDE	PCDNAT115
13	111-48-8	29307000	THIODIGLYCOL: BIS(2-HYDROXYETHYL)SULFIDE	S2BB05	NEA	111-48-8	THIODIGLYCOL: BIS(2-HYDROXYETHYL)SULFIDE	PCDTDG111
14	464-07-3	29051900	PINACOLYL ALCOHOL: 3,3-DIMETHYLBUTAN-2-OL	S2BN05	SCDF	464-07-3	PINACOLYL ALCOHOL: 3,3-DIMETHYLBUTAN-2-OL	SCDPAL1987L2
Schedule 3A								
1	75-44-5	28121100	PHOSGENE: CARBONYL DICHLORIDE	S3AC01	NEA*	75-44-5	PHOSGENE: CARBONYL DICHLORIDE	PCDPHO120
2	506-77-4	28531000	CYANOGEN CHLORIDE	S3AT01	NEA*	506-77-4	CYANOGEN CHLORIDE	PCDCYC111
3	74-90-8	28111200	HYDROGEN CYANIDE	S3AT02	NEA*	74-90-8	HYDROGEN CYANIDE	PCDHYC112
4	76-06-2	29049100	CHLOROPICRIN: TRICHLORONITROMETHANE	S3AC02	NEA*	76-06-2	CHLOROPICRIN: TRICHLORONITROMETHANE	PCDCHL114
Schedule 3B								
5	10025-87-3	28121200	PHOSPHORUS OXYCHLORIDE	S3BN01	NEA*	10025-87-3	PHOSPHORUS OXYCHLORIDE	PCDPHO118
6	7719-12-2	28121300	PHOSPHORUS TRICHLORIDE	S3BN02	NEA*	7719-12-2	PHOSPHORUS TRICHLORIDE	PCDPHT111
7	10026-13-8	28121400	PHOSPHORUS PENTACHLORIDE	S3BN03	NEA*	10026-13-8	PHOSPHORUS PENTACHLORIDE	PCDPHP111
8	121-45-9	29202300	TRIMETHYL PHOSPHITE	S3BN04	SCDF	121-45-9	TRIMETHYL PHOSPHITE	SCDTMP0000L2
9	122-52-1	29202400	TRIETHYL PHOSPHITE	S3BN05	SCDF	122-52-1	TRIETHYL PHOSPHITE	SCDTEH0000L2
10	868-85-9	29202100	DIMETHYL PHOSPHITE	S3BN06	SCDF	868-85-9	DIMETHYL PHOSPHITE	SCDDMP3264L3
11	762-04-9	29202200	DIETHYL PHOSPHITE	S3BN07	NEA	762-04-9	DIETHYL PHOSPHITE	PCDDPH111
12	10025-67-9	28121500	SULFUR MONOCHLORIDE	S3BB01	SCDF	10025-67-9	SULFUR MONOCHLORIDE	SCDSMC2922L2
13	10545-99-0	28121600	SULFUR DICHLORIDE	S3BB02	SCDF	10545-99-0	SULFUR DICHLORIDE	SCSDC1828SL1
14	7719-09-7	28121700	THIONYL CHLORIDE	S3BB03	NEA	7719-09-7	THIONYL CHLORIDE	PCDTNC111
15	139-87-7	29221700	ETHYLDIETHANOLAMINE	S3BB04	SCDF	139-87-7	ETHYLDIETHANOLAMINE	SCDEDA2735L3
16	105-59-9	29221700	METHYLDIETHANOLAMINE	S3BB05	SCDF	105-59-9	METHYLDIETHANOLAMINE	SCDMA0000L3
	105-59-9	38249999	METHYLDIETHANOLAMINE - IN MIXTURES OF CHEMICAL PREPARATIONS	S3BB05	SCDF	105-59-9	METHYLDIETHANOLAMINE - IN MIXTURES OF CHEMICAL PREPARATIONS	SCDMA0000L3
	105-59-9	38140000	METHYLDIETHANOLAMINE - IN MIXTURES OF CHEMICAL PREPARATIONS	S3BB05	SCDF	105-59-9	METHYLDIETHANOLAMINE - IN MIXTURES OF CHEMICAL PREPARATIONS	SCDMA0000L3
17	102-71-6	29221500	TRIETHANOLAMINE	S3BB06	NEA	102-71-6	TRIETHANOLAMINE	PCDTEA111
	102-71-6	34029019	TRIETHANOLAMINE - IN MIXTURES OF CHEMICAL PREPARATIONS	S3BB06	NEA	102-71-6	TRIETHANOLAMINE - IN MIXTURES OF CHEMICAL PREPARATIONS	PCDTEA111
	102-71-6	38159000	TRIETHANOLAMINE - IN MIXTURES OF CHEMICAL PREPARATIONS	S3BB06	NEA	102-71-6	TRIETHANOLAMINE - IN MIXTURES OF CHEMICAL PREPARATIONS	PCDTEA111
	102-71-6	38140000	TRIETHANOLAMINE - IN MIXTURES OF CHEMICAL PREPARATIONS	S3BB06	NEA	102-71-6	TRIETHANOLAMINE - IN MIXTURES OF CHEMICAL PREPARATIONS	PCDTEA111
	102-71.6	38249999	TRIETHANOLAMINE - IN MIXTURES OF CHEMICAL PREPARATIONS	S3BB06	NEA	102-71-6	TRIETHANOLAMINE - IN MIXTURES OF CHEMICAL PREPARATIONS	PCDTEA111