



Circular No: 04/2020  
6 May 2020

Traders and Declaring Agents

Dear Sir/Madam

**AMENDMENT OF THE SCHEDULE TO THE CHEMICAL WEAPONS  
(PROHIBITION) ACT**

**Amendment of Part I of the Schedule (Schedule 1 chemicals) to the Chemical  
Weapons (Prohibition) Act**

We would like to inform you that the Chemical Weapons (Prohibition) Act (Amendment of Schedule) Order 2020 had been gazetted on 6 May 2020 and will enter into force on 7 Jun 2020.

2 Singapore is a State Party to the Chemical Weapons Convention (CWC). At the 24<sup>th</sup> Session of the Conference of the State Parties to the CWC, the decisions for the amendments of Schedule 1 chemicals were adopted. The amendments added new chemicals to the list of Schedule 1 chemicals, and they are to enter into force for all State Parties on 7 Jun 2020.

3 Specifically, the new chemicals are added to the list of Schedule 1A chemicals. These newly added chemicals, including the Chemical Abstracts Service (CAS) registry numbers assigned to the toxic chemicals described therein, are as follows:

S/N	Toxic chemicals	CAS Registry numbers
1.	P-alkyl (H or $\leq C_{10}$ , incl. cycloalkyl) N-(1-(dialkyl( $\leq C_{10}$ , incl. cycloalkyl)amino))alkylidene(H or $\leq C_{10}$ , incl. cycloalkyl) phosphonamidic fluorides and corresponding alkylated or protonated salts  e.g. N-(1-(di-n-decylamino)-n-decylidene)-P-decylphosphonamidic fluoride  Methyl-(1-(diethylamino)ethylidene) phosphonamidofluoridate	  2387495-99-8  2387496-12-8
2.	O-alkyl (H or $\leq C_{10}$ , incl. cycloalkyl) N-(1-(dialkyl( $\leq C_{10}$ , incl. cycloalkyl)amino))alkylidene(H or $\leq C_{10}$ , incl. cycloalkyl)	

S/N	Toxic chemicals	CAS Registry numbers
	<p>phosphoramidofluoridates and corresponding alkylated or protonated salts</p> <p>e.g. O-n-Decyl N-(1-(di-n-decylamino)-n-decylidene)phosphoramidofluoridate</p> <p style="padding-left: 40px;">Methyl (1-(diethylamino)ethylidene) phosphoramidofluoridate</p> <p style="padding-left: 40px;">Ethyl (1-(diethylamino)ethylidene) phosphoramidofluoridate</p>	<p>2387496-00-4</p> <p>2387496-04-8</p> <p>2387496-06-0</p>
3.	Methyl-(bis(diethylamino)methylene) phosphoramidofluoridate	2387496-14-0
4.	<p>Carbamates (quaternaries and bisquaternaries of dimethylcarbamoyloxypyridines)</p> <p>Quaternaries of dimethylcarbamoyloxypyridines:</p> <p>1-[N,N-dialkyl(<math>\leq</math>C10)-N-(n-(hydroxyl, cyano, acetoxy)alkyl(<math>\leq</math>C10)) ammonio]-n-[N-(3-dimethylcarbamoyl-<math>\alpha</math>-picolinyl)-N,N-dialkyl(<math>\leq</math>C10) ammonio]decane dibromide (n=1-8)</p> <p>e.g. 1-[N,N-dimethyl-N-(2-hydroxy)ethylammonio]-10-[N-(3-dimethylcarbamoyl-<math>\alpha</math>-picolinyl)-N,N-dimethylammonio]decane dibromide</p> <p>Bisquaternaries of dimethylcarbamoyloxypyridines:</p> <p>1,n-Bis[N-(3-dimethylcarbamoyl-<math>\alpha</math>-picolinyl)-N,N-dialkyl(<math>\leq</math>C10) ammonio]-alkane-(2,(n-1)-dione) dibromide (n=2-12)</p> <p>e.g. 1,10-Bis[N-(3-dimethylcarbamoyl-<math>\alpha</math>-picolinyl)-N-ethyl-N-methylammonio]decane-2,9-dione dibromide</p>	<p>77104-62-2</p> <p>77104-00-8</p>

4 You may access the full list of CWC scheduled chemicals via our website at [www.customs.gov.sg](http://www.customs.gov.sg) > Businesses > Chemical Weapons Convention (CWC) > [Controlled Chemicals](#).

5 Companies that wish to carry out controlled activities pertaining to scheduled chemicals or unscheduled discrete organic chemicals are required to obtain a CWC licence that is issued by the National Authority (CWC) [NA(CWC)] under the Chemical

Weapons (Prohibition) Act (CWPA) before the start of these activities. The controlled activities requiring a CWC licence are production, processing, consumption, import/export, storage and local sales/distribution. All importers and exporters of CWC scheduled chemicals controlled under the CWPA will require a valid CWC licence and an approved permit before every import and export. You may visit [www.customs.gov.sg](http://www.customs.gov.sg) > Businesses > [Chemical Weapons Convention \(CWC\)](#) for more information on CWC and the requirements.

### **Control of Carbamates**

6 Carbamates are also controlled as Hazardous Substances under the Environmental Protection and Management Act (EPMA) and Environmental Protection and Management (Hazardous Substances) Regulations (EPM(HS) Regs) administered by the National Environment Agency (NEA). With effect from 7 Jun 2020, the NA(CWC) will be the Competent Authority (CA) for the types of carbamates that are listed in paragraph 3, S/N 4, in accordance with the prevailing requirements under the CWPA and Chemical Weapons (Prohibition) Regulations (CWPR). A NEA Hazardous Substances Licence, Permit and Transport Approval will not be required under the EPMA and EPM(HS) Regs for the import, export, manufacture, transport and/or use of the types of carbamates that are listed in paragraph 3, S/N 4. However, NEA remains the CA for the other types of carbamates that are controlled as Hazardous Substances. More information on the control of Hazardous Substances can be found on NEA's website at <https://www.nea.gov.sg/our-services/pollution-control/chemical-safety/hazardous-substances>.

### **TradeNet Declarations**

7 Traders and declaring agents should take note to declare the correct Harmonised System (HS) code and the respective Product Code under Singapore Customs and NEA in the TradeNet declarations for carbamates. You may refer to **Annex A** for the HS and Product Codes to be used in TradeNet declarations for the newly added chemicals and **Annex B** for the list of Frequently Asked Questions for more information.

Yours faithfully

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for Director-General of Customs  
Singapore Customs

*(This is a computer-generated circular. No signature is required.)*

We hope that this circular has been written in a way that is clear to you. If not, please let us have suggestions on how to improve this circular at [customs\\_nacwc@customs.gov.sg](mailto:customs_nacwc@customs.gov.sg).

## Annex A

Please refer to the table below for the HS and Product Codes to be used in TradeNet declarations for the newly added chemicals.

S/N	Toxic Chemicals	HS Code	HS Description	Product Code	Product Code Description
1	P-alkyl (H or ≤C <sub>10</sub> , incl. cycloalkyl) N-(1-(dialkyl(≤C <sub>10</sub> , incl. cycloalkyl)amino))alkylidene(H or ≤C <sub>10</sub> , incl. cycloalkyl) phosphonamidic fluorides and corresponding alkylated or protonated salts	29313900	OTHER ORGANOPHOSPHOROUS DERIVATIVES (KGM)	S1AN04	P-alkyl (H or ≤C <sub>10</sub> , incl. cycloalkyl) N-(1-(dialkyl(≤C <sub>10</sub> , incl. cycloalkyl)amino))alkylidene(H or ≤C <sub>10</sub> , incl. cycloalkyl) phosphonamidic fluorides and corresponding alkylated or protonated salts
				S1AN04	N-(1-(di-n-decylamino)-n-decylidene)-P-decylphosphonamidic fluoride
				S1AN04	Methyl-(1-(diethylamino)ethylidene) phosphonamidofluoride
2	O-alkyl (H or ≤C <sub>10</sub> , incl. cycloalkyl) N-(1-(dialkyl(≤C <sub>10</sub> , incl. cycloalkyl)amino))alkylidene(H or ≤C <sub>10</sub> , incl. cycloalkyl) phosphoramidofluorides and corresponding alkylated or protonated salts	29299090	OTHER COMPOUNDS WITH OTHER NITROGEN-FUNCTION (KGM)	S1AN05	O-alkyl (H or ≤C <sub>10</sub> , incl. cycloalkyl) N-(1-(dialkyl(≤C <sub>10</sub> , incl. cycloalkyl)amino))alkylidene(H or ≤C <sub>10</sub> , incl. cycloalkyl) phosphoramidofluorides and corresponding alkylated or protonated salts
				S1AN05	O-n-Decyl N-(1-(di-n-decylamino)-n-decylidene)phosphoramidofluoride
				S1AN05	Methyl (1-(diethylamino)ethylidene) phosphoramidofluoride
				S1AN05	Ethyl (1-(diethylamino)ethylidene) phosphoramidofluoride
3	Methyl-(bis(diethylamino)methylene) phosphonamidofluoride	29313900	OTHER ORGANOPHOSPHOROUS DERIVATIVES (KGM)	S1AN06	Methyl-(bis(diethylamino)methylene) phosphonamidofluoride

S/N	Toxic Chemicals	HS Code	HS Description	Product Code	Product Code Description
4	Carbamates (quaternaries and bisquaternaries of dimethylcarbamoyloxypyridines)	29333990	OTHER COMPOUNDS WITH AN UNFUSED PYRIDINE RING (KGM)	S1AN07	1-[N,N-dialkyl(≤C10)-N-(n-(hydroxyl, cyano, acetoxy)alkyl(≤C10)) ammonio]-n-[N-(3-dimethylcarbamoxy-α-picolinyl)-N,N-dialkyl(≤C10) ammonio]decane dibromide (n=1-8)
				S1AN07	1-[N,N-dimethyl-N-(2-hydroxy)ethylammonio]-10-[N-(3-dimethylcarbamoxy-α-picolinyl)-N,N-dimethylammonio]decane dibromide
				S1AN08	1,n-Bis[N-(3-dimethylcarbamoxy-α-picolyl)-N,N-dialkyl(≤C10) ammonio]-alkane-(2,(n-1)-dione) dibromide (n=2-12)
				S1AN08	1,10-Bis[N-(3-dimethylcarbamoxy-α-picolyl)-N-ethyl-N-methylammonio]decane-2,9-dione dibromide

## FREQUENTLY ASKED QUESTIONS

### **Q1: What is the Chemical Weapons Convention (CWC)?**

**A1:** The Chemical Weapons Convention (CWC) is an international treaty which prohibits the development, production, stockpiling, transfer and use of chemical weapons and stipulates their timely destruction. Singapore joined the Convention in 1997. Singapore Customs is the designated National Authority (NA) for the CWC [NA(CWC)]. The NA(CWC) administers the Chemical Weapons (Prohibition) Act and its subsidiary legislation to fulfil Singapore's obligations under the Convention. You may learn more about CWC at [www.customs.gov.sg](http://www.customs.gov.sg) > Businesses > [Chemical Weapons Convention \(CWC\)](#).

### **Q2: What are the CWC scheduled chemicals?**

**A2:** The CWC has identified a list of toxic chemicals and their precursors for the purpose of implementing the Convention. The chemicals are grouped into three schedules (Schedules 1, 2 and 3) to reflect the risks posed by the chemicals to the object and purpose of the Convention. You may learn more about the CWC scheduled chemicals at [www.customs.gov.sg](http://www.customs.gov.sg) > Businesses > Chemical Weapons Convention (CWC) > [Controlled Chemicals](#).

### **Q3: What are the requirements under the Chemical Weapons (Prohibition) Act (CWPA) and Chemical Weapons (Prohibition) Regulations (CWPR)?**

**A3:** The CWPA was enacted with the objective of providing the Singapore Government with the legislative framework to fulfil Singapore's obligations under the CWC and the CWPR puts in place a set of procedural guidelines for the administration of the CWPA. Under the CWPA and CWPR, companies that wish to carry out controlled activities pertaining to scheduled chemicals or unscheduled discrete organic chemicals are required to obtain a CWC licence that is issued by NA(CWC) under the CWPA before the start of these activities. The application for a CWC licence must be submitted at least 14 working days prior to the date of commencement of the controlled activities. The controlled activities requiring a CWC licence are production, processing, consumption, import/export, storage and local sales/distribution. Please visit [www.customs.gov.sg](http://www.customs.gov.sg) > Businesses > [Chemical Weapons Convention \(CWC\)](#) for more information on CWC and the requirements.

**Q4: What information would be required when applying permits for the import and export of CWC scheduled chemicals controlled under the CWPA?**

**A4:** All importers and exporters of CWC scheduled chemicals controlled under the CWPA will require a valid CWC licence and an approved permit before every import and export. The following information would be required when applying permits for the import and export of the CWC scheduled chemicals:

- a) Customs Procedure Code (CPC)
- b) Processing Codes (PC1, PC2, PC3)
- c) Licence Number
- d) Item description (Note: The name of scheduled chemical must be indicated.)
- e) HS code
- f) Product code
- g) Product quantity and unit
- h) Purity of scheduled chemical

Please visit [www.customs.gov.sg](http://www.customs.gov.sg) > Businesses > Chemical Weapons Convention (CWC) > [Importing of NA\(CWC\) Controlled Items](#) and [www.customs.gov.sg](http://www.customs.gov.sg) > Businesses > Chemical Weapons Convention (CWC) > [Exporting of NA\(CWC\) Controlled Items](#) for the details on the information required for import and export permits respectively.