

**26 Chemicals to be Regulated as Hazardous Substances by NEA**

S/N	Chemical Name	CAS Registry No.
1	O-Alkyl( $\leq C_{10}$ , including cycloalkyl) alkyl (Me, Et, n-Pr or i-Pr)-phosphonofluoridates e.g. Sarin: O-Isopropyl methylphosphonofluoridate Soman: O-Pinacolyl methylphosphonofluoridate	107-44-8 96-64-0
2	O-Alkyl (H or $\leq C_{10}$ , including 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	50782-69-9
3	Lewisites: Lewisite 1: 2-Chlorovinylchloroarsine Lewisite 2: Bis(2-chlorovinyl)chloroarsine Lewisite 3: Tris(2-chlorovinyl)arsine	541-25-3 40334-69-8 40334-70-1
4	Nitrogen mustards: HN1: Bis(2-chloroethyl)ethylamine HN2: Bis(2-chloroethyl)methylamine HN3: Tris(2-chloroethyl)amine	538-07-8 51-75-2 555-77-1
5	Saxitoxin	35523-89-8
6	Ricin	9009-86-3
7	Alkyl (Me, Et, n-Pr or i-Pr) phosphonyl difluorides e.g. DF: Methylphosphonyldifluoride	676-99-3
8	O-Alkyl (H or $\leq C_{10}$ , including 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	57856-11-8
9	Chlorosarin: O-Isopropyl methylphosphonochloridate	1445-76-7
10	Chlorosoman: O-Pinacolyl methylphosphonochloridate	7040-57-5
11	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
12	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) phosphoramidofluoridates and corresponding alkylated or protonated salts e.g. O-n-Decyl N-(1-(di-n-decylamino)-ndecylidene) phosphoramidofluoridate Methyl (1-(diethylamino)ethylidene) phosphoramidofluoridate Ethyl (1-(diethylamino)ethylidene) phosphoramidofluoridate	2387496-00-4 2387496-04-8 2387496-06-0
13	Methyl-(bis(diethylamino)methylene) phosphoramidofluoridate	2387496-14-0

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14	<p>Carbamates (quaternaries and bisquaternaries of dimethylcarbamoyloxy pyridines)</p> <p>Quaternaries of dimethylcarbamoyloxy pyridines:                      1-[N,N-dialkyl(<math>\leq C10</math>)-N-(n-(hydroxyl, cyano, acetoxy)alkyl(<math>\leq C10</math>)) ammonio]-n-[N-(3-dimethylcarbamoxy-<math>\alpha</math>-picolinyl)-N,N-dialkyl(<math>\leq C10</math>) ammonio]decane dibromide (n=1-8)                      e.g.                      1-[N,N-dimethyl-N-(2-hydroxy)ethylammonio]-10 [N- (3-dimethylcarbamoxy-<math>\alpha</math>-picolinyl)-N,N dimethylammonio]decane dibromide</p> <p>Bisquaternaries of dimethylcarbamoyloxy pyridines:                      1,n-Bis[N-(3-dimethylcarbamoxy-<math>\alpha</math>-picolyl)-N,N-dialkyl(<math>\leq C10</math>) ammonio]-alkane-(2,(n-1)-dione) dibromide (n=2-12)                      e.g.                      1,10-Bis[N-(3-dimethylcarbamoxy-<math>\alpha</math> picolyl)-N-ethyl-N-methylammonio] decane-2,9-dione dibromide</p>	<p align="center">77104-62-2</p> <p align="center">77104-00-8</p>
15	PFIB: 1,1,3,3,3-Pentafluoro-2-(trifluoromethyl) -1-propene	382-21-8
16	BZ: 3-Quinuclidinyl benzilate	6581-06-2
17	<p>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                      e.g.                      Methylphosphonyl dichloride                      Dimethyl methylphosphonate</p> <p>Exemption:                      Fonofos: O-Ethyl S-phenyl ethylphosphonothiothionate</p>	<p>676-97-1 756-79-6</p> <p>944-22-9</p>
18	Dialkyl (Me, Et, n-Pr or i-Pr) N,N-dialkyl (Me, Et, n-Pr or i-Pr)-phosphoramidates	-
19	2,2-Diphenyl-2-hydroxyacetic acid: Benzilic acid	76-93-7
20	Quinuclidin-3-ol	1619-34-7
21	N,N-Dialkyl (Me,Et,n-Pr or i-Pr) aminoethyl- 2-chlorides and corresponding protonated salts	-
22	N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-thiols and corresponding protonated salts	-
23	Thiodiglycol: Bis(2-hydroxyethyl)sulfide	111-48-8
24	Diethyl phosphite	762-04-9
25	Thionyl chloride	7719-09-7
26	Triethanolamine	102-71-6