

**DECREE**  
**No. 50**  
**of the Ministry of Industry and Trade**

**dated 27 March 1997,**

**Implementing the Act On Some Measures Concerning Chemical Weapons Prohibition**

The Ministry of Industry and Trade, pursuant to § 35 section 7 of Act No. 19/1997 Coll., "On Some Measures Concerning Chemical Weapons Prohibition and On Amendments to Act No. 50/1976 Coll. 'On Zone Planning and the Building Code' (Building Act), as amended, the Small Businesses Act No. 455/1991 Coll., as amended, and the Penal Code Act No. 140/1961 Coll., as amended" (hereinafter "the Act"), hereby decrees as follows:

**§ 1**

In accordance with the classification under § 7 of the Act scheduled chemicals shall be listed in individual Schedules as follows:

- a) highly dangerous chemicals in Schedule 1 appended hereto as Annex 1;
- b) dangerous chemicals in Schedule 2 appended hereto as Annex 2;
- c) less dangerous chemicals in Schedule 3 appended hereto as Annex 3.

**§ 2**

Highly dangerous chemicals listed in Schedule 1 may be handled in amounts set forth in § 8 section 2 of the Act for purposes identified in § 6 section 1 of the Act in the following facilities:

- a) in a single dedicated low-capacity object with reactors in production lines not adapted to continuous operation, each reactor capacity not exceeding 100 litres and total capacity of all reactors not exceeding 500 litres,
- b) in a single object serving protective purposes, where the overall production proper does not exceed 10 kg a year,
- c) in objects serving research, medicinal, or pharmaceutical purposes where the overall production proper in such objects exceeds 100 g a year but does not exceed 10 kg a year per object,

- d) in laboratories serving research, medicinal or pharmaceutical purposes where the overall production proper does not exceed 100 g a year per laboratory,
- e) in other objects serving research purposes that do not manufacture highly dangerous chemicals.

### **§ 3**

The Reporting Duty under § 20 section 1 of the Act refers to the amounts of dangerous chemicals specified below:

- a) more than 1 kg of dangerous chemicals marked by (\*) in Schedule 2 Part A,
- b) more than 100 kg of the remaining dangerous chemicals listed in Schedule 2 Part A,
- c) more than 1000 kg of the remaining dangerous chemicals listed in Schedule 2 part B.

### **§ 4**

Scheduled chemicals shall be recorded in classification per Annex 4 hereof.

### **§ 5**

This Decree shall enter into force and effect as of 1 April 1997.

Minister

Ing. Vladimír Dlouhý, CSc.

**SCHEDULE 1**  
**HIGHLY DANGEROUS CHEMICALS**

<b>A. Toxické látky:</b>	<b>(registrační číslo CAS)</b>	<b>(položka celního sazebníku)</b>
A. Toxic chemicals:	(CAS registry number)	(registry number HS)

<b>(1) Alkyl (<math>\leq C_{10}</math>, včetně cykloalkyl)-alkyl (Me, Et, n-Pr nebo i-Pr) fosfonofluoridaty</b>	<b>2931.00</b>
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(1) O-Alkyl ( $\leq C_{10}$ , incl. cycloalkyl) alkyl

(Me, Et, n-Pr or i-Pr)-phosphonofluoridates

**např. Sarin: Isopropyl-methylfosfonofluoridat (107-44-8)**

e.g. Sarin: O-Isopropyl methylphosphonofluoridate

**Soman: (3,3-Dimethyl-2-butyl)-methylfosfonofluoridat (96-64-0)**

Soman: O-Pinacolyl methylphosphonofluoridate

<b>(2) Alkyl (<math>\leq C_{10}</math>, včetně cykloalkyl)-dialkyl (Me, Et, n-Pr nebo i-Pr) fosforamidokyanidaty</b>	<b>2931.00</b>
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(2) Alkyl ( $\leq C_{10}$ , incl. cycloalkyl) N,N-dialkyl

(Me, Et, n-Pr or i-Pr)-phosphoramidocyanidates

**např. Tabun: Ethyl-dimethylfosforamidokyanidat (77-81-6)**

e.g. Tabun: O-ethyl N,N-dimethyl

phosphoramidocyanidate

<b>(3) Alkyl (H nebo <math>\leq C_{10}</math>, včetně cykloalkyl)-S- (2-(dialkyl (Me, Et, n-Pr nebo i-Pr) ethyl)-alkyl</b>	<b>2930.00</b>
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**(Me, Et, n-Pr nebo i-Pr) fosfonothioaty a**

**odpovídající alkylované a protonované soli**

(3) O-Alkyl (H or  $\leq C_{10}$ , 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

<b>např. VX: S-(2-(Diisopropylamino)ethyl)- O-ethyl-methylfosfonothioat</b>	<b>(50782-69-9)</b>	
e.g. VX: O-Ethyl S-2-diisopropylaminoethyl methyl phosphonothiolate		
<b>(4) Sirné yperity:</b>		<b>2930.90</b>
(4) Sulfur mustards:		
<b>2-Chlorethyl(chlormethyl)sulfid</b>	<b>(2625-76-5)</b>	
2-Chloroethylchloromethylsulfide		
<b>Yperit: Bis(2-chlorethyl)sulfid</b>	<b>(505-60-2)</b>	
Mustard gas: Bis(2-chloroethyl)sulfide		
<b>Bis((2-chlorethyl)thio)methan</b>	<b>(63869-13-6)</b>	
Bis(2-chloroethylthio)methane		
<b>Seskviyperit:</b>		
Sesquimustard:		
<b>1,2-Bis((2-chlorethyl)thio)ethan</b>	<b>(3563-36-8)</b>	
1,2-Bis(2-chloroethylthio)ethane		
<b>1,3-Bis((2-chlorethyl)thio)propan</b>	<b>(63905-10-2)</b>	
1,3-Bis(2-chloroethylthio)-n-propane		
<b>1,4-Bis((2-chlorethyl)thio)butan</b>	<b>(142868-93-7)</b>	
1,4-Bis(2-chloroethylthio)-n-butane		
<b>1,5-Bis((2-chlorethyl)thio)pentan</b>	<b>(142868-94-8)</b>	
1,5-Bis(2-chloroethylthio)-n-pentane		
<b>Bis((2-chlorethyl)thio) methyl)ether</b>	<b>(63918-90-1)</b>	
Bis(2-chloroethylthiomethyl)ether		
<b>Kyslíkatý yperit:</b>		
<b>Bis((2-chlorethyl)thio)ethyl)ether</b>	<b>(63918-89-8)</b>	
O-Mustard: Bis(2-chloroethylthioethyl)ether		
<b>(5) Lewisity:</b>		<b>2931.00</b>
(5) Lewisites:		
<b>α-Lewisit: Dichlor(2-chlorovinyl)arsin</b>	<b>(541-25-3)</b>	
Lewisite 1: 2-Chlorovinylchloroarsine		
<b>β-Lewisit: Chlorbis(2-chlorovinyl)arsin</b>	<b>(40334-69-8)</b>	

Lewisite 2: Bis(2-chlorovinyl)chloroarsine		
<b>γ-Lewisit: Tris(2-chlorovinyl)arsin</b>	<b>(40334-70-1)</b>	
Lewisite 3: Tris(2-chlorovinyl)arsine		
<b>(6) Dusíkaté yperity:</b>		<b>2921.19</b>
(6) Nitrogen mustards:		
<b>HN1: N-Ethylbis(2-chlorethyl)amin</b>	<b>(538-07-8)</b>	
HN1: Bis(2-chloroethyl)ethylamine		
<b>HN2: N-Methylbis(2-chlorethyl)amin</b>	<b>(51-75-2)</b>	
HN2: Bis(2-chloroethyl)methylamine		
<b>HN3: Tris(2-chlorethyl)amin</b>	<b>(555-77-1)</b>	
HN3: Tris(2-chloroethyl)amine		
<b>(7) Saxitoxin</b>	<b>(35523-89-8)</b>	<b>3002.00</b>
(7) Saxitoxin		
<b>(8) Ricin</b>	<b>(9009-86-3)</b>	<b>3002.00</b>
(8) Ricin		
<b>B. Prekursory:</b>		
B. Precursors:		
<b>(9) Alkyl (Me, Et, n-Pr nebo i-Pr)</b>		<b>2931.00</b>
<b>fosfonyldifluoridy</b>		
(9) Alkyl (Me, Et, n-Pr or i-Pr)		
phosphonyldifluorides		
<b>např. DF: Methylfosfonyldifluorid</b>	<b>(676-99-3)</b>	
e.g. DF: Methylphosphonyldifluoride		
<b>(10) Alkyl (H nebo ≤C<sub>10</sub>, včetně cykloalkyl)</b>		<b>2931.00</b>
<b>-(2-(dialkyl (Me, Et, n-Pr nebo i-Pr)amino)</b>		
<b>ethyl)-alkyl (Me, Et, n-Pr nebo i-Pr)fosfony</b>		
<b>a odpovídající alkylované a protonované soli</b>		
(10) O-Alkyl (H or ≤C <sub>10</sub> , 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

**např. QL: (2-(Diisopropylamino)ethyl)-ethyl-  
methylfosfonit (57856-11-8)**

e.g. QL: O-Ethyl O-2-diisopropylaminoethyl  
methylphosphonite

**(11) Chlorsarin: Isopropyl-  
methylfosfonochloridat (1445-76-7) 2931.00**

(11) Chlorosarin: O-Isopropyl  
methylphosphonochloridate

**(12) Chlorsoman: (3,3-Dimethyl-2-butyl)-  
methylfosfonochloridat (7040-57-5) 2931.00**

(12) Chlorosoman: O-Pinacolyl  
methylphosphonochloridate

### **Notes:**

1. Names of chemicals printed in bold in the lists follow the Czech nomenclature of these chemicals, the remaining names follow the English nomenclature of the relevant chemicals in accordance with the Convention on the Prohibition of Chemical Weapons.
2. The CAS registry number is the internationally accepted method of designation and systematic registration of chemicals used for historical reasons by the American Chemical Society. It is in essence a serial number (code) of a given chemical that serves as an entry point to the CAS database system.
3. The registry number HS contains codes (digital designations) of the four-, six-, or eight-digit subitems of the combined nomenclature.

**SCHEDULE 2**  
**DANGEROUS CHEMICALS**

<b>A. Toxické látky:</b>	<b>(registrační číslo CAS)</b>	<b>(položka celního sazebníku)</b>
A. Toxic chemicals:	(CAS registry number)	(registry number HS)

<b>(1) Amiton: O,O-Diethyl-S-(2-(diethylamino) ethyl) fosforothioat a odpovídající alkylované nebo protonované soli</b>	<b>(78-53-5)</b>	<b>2931.00</b>
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(1) Amiton: O,O-Diethyl S-[2-(diethylamino) ethyl] phosphorothiolate and corresponding alkylated or protonated salts

<b>(2) PFIB: 1,1,3,3,3-Pentafluor-2-(trifluormethyl)-1-propen</b>	<b>(382-21-8)</b>	<b>2903.30</b>
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(2) PFIB: 1,1,3,3,3-Pentafluoro-2-(trifluoromethyl)-1-propene

<b>(3) BZ: 3-Chinuclidinyl-difenylhydroxyacetat (*)</b>	<b>(6581-06-2)</b>	<b>2933.39</b>
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3) BZ: 3-Quinuclidinyl benzilate (\*)

**B. Prekursory:**

B: Precursors:

<b>(4) Chemikálie, vyjma uvedených v Seznamu 1, obsahující atom fosforu, na který je vázána jedna methylová, ethylová nebo propylová (normální nebo iso) skupina, ale ne další atomy uhlíku.</b>		<b>2931.00</b>
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(4) 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.

**např. Methylfosfonyldichlorid (676-97-1)**

e.g. Methylphosponyl dichloride

**Dimethyl-methylfosfonat (756-79-6)**

Dimethyl methylphosphonate

**Výjimka: Fonofos: O-ethyl-S-fenyl-ethylfosfonodithioat (944-22-9)**

Exemption: Fonofos: O-Ethyl S-phenyl ethylphosphonothiolothionate

**(5) Dialkyl (Me, Et, n-Pr nebo i-Pr) fosforamidoyldihalidy 2930.90**

(5) N,N-Dialkyl (Me, Et, n-Pr or i-Pr)-phosphoramidic dihalides

**(6) Dialkyl (Me, Et, n-Pr nebo i-Pr)-dialkyl (Me, Et, n-Pr nebo i-Pr) fosforamidaty 2929.90**

(6) Dialkyl (Me, Et, n-Pr or i-Pr) N,N-dialkyl

(Me, Et, n-Pr or i-Pr)-phosphoramidates

**(7) Chlorid arsenitý (7784-34-1) 2812.10**

(7) Arsenic trichloride

**(8) Difenylhydroxyoctová kyselina (76-93-7) 2918.19**

(8) 2,2-Diphenyl-2-hydroxyacetic acid

**(9) Chinuklidin-3-ol (1619-34-7) 2933.39**

(9) Quinuclidin-3-ol

**(10) N,N-Dialkyl (Me, Et, n-Pr nebo i-Pr)-2-chlorethylaminy a 2921.19**

**odpovídající protonizované soli**

(10) N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethyl-2-chlorides and corresponding protonated salts



**(11) 2-(N,N-Dialkyl (Me, Et, n-Pr nebo i-Pr)amino)** **2922.19**

**ethanoly a odpovídající protonizované soli**

(11) N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-ols

and corresponding protonated salts

**Výjimky: 2-(N,N-Dimethylamino)ethanol (108-01-0)**

**a odpovídající protonizované soli**

Exemptions: N,N-Dimethylaminoethanol

and corresponding protonated salts

**2-(N,N-Diethylamino)ethanol (100-37-8)**

**a odpovídající protonizované soli**

N,N-Diethylaminoethanol

and corresponding protonated salts

**(12) 2-(N,N-Dialkyl(Me, Et, n-Pr nebo i-Pr)amino)ethanthioly** **2930.90**

**a odpovídající protonizované soli**

(12) N,N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-thiols

and corresponding protonated salts

**(13) Thiodiglykol: 2,2'-Thiodiethanol (111-48-8)** **2930.90**

(13) Thiodiglycol: Bis(2-hydroxyethyl)sulfide

**(14) Pinakolyl alkohol: 3,3-Dimethylbutan-2-ol (464-07-3)** **2905.19**

(14) Pinacolyl alcohol: 3,3-Dimethylbutan-2-ol

### **Notes:**

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3. The registry number HS contains codes (digital designations) of the four-, six-, or eight-digit subitems of the combined nomenclature.

**SCHEDULE 3**  
**LESS DANGEROUS CHEMICALS**

<b>A. Toxické látky:</b>	<b>(registrační číslo CAS)</b>	<b>(položka celního sazebníku)</b>
A. Toxic chemicals:	(CAS registry number)	(registry number HS)
<b>(1) Fosgen: Karbonyldichlorid</b>	<b>(75-44-5)</b>	<b>2812.10</b>
(1) Phosgene: Carbonyl dichloride		
<b>(2) Chlorkyan</b>	<b>(506-77-4)</b>	<b>2851.00</b>
(2) Cyanogen chloride		
<b>(3) Kyanovodík</b>	<b>(74-90-8)</b>	<b>2811.19</b>
(3) Hydrogen cyanide		
<b>(4) Chlorpikrin: Trichlornitromethan</b>	<b>(76-06-2)</b>	<b>2904.90</b>
(4) Chloropicrin: Trichloronitromethane		
 <b>B. Prekursory:</b>		
B: Precursors:		
<b>(5) Oxychlorid fosforečný</b>	<b>(10025-87-3)</b>	<b>2812.10</b>
(5) Phosphorus oxychloride		
<b>(6) Chlorid fosforitý</b>	<b>(7719-12-2)</b>	<b>2812.10</b>
(6) Phosphorus trichloride		
<b>(7) Chlorid fosforečný</b>	<b>(10026-13-8)</b>	<b>2812.10</b>
(7) Phosphorus pentachloride		

<b>(8) Trimethylfosfit</b> (8) Trimethyl phosphite	<b>(121-45-9)</b>	<b>2920.90</b>
<b>(9) Triethylfosfit</b> (9) Triethyl phosphite	<b>(122-52-1)</b>	<b>2920.90</b>
<b>(10) Dimethylfosfonat</b> (10) Dimethyl phosphite	<b>(868-85-9)</b>	<b>2920.90</b>
<b>(11) Diethylfosfonat</b> (11) Diethyl phosphite	<b>(762-04-9)</b>	<b>2920.90</b>
<b>(12) Chlorid sirný</b> (12) Sulfur monochloride	<b>(10025-67-9)</b>	<b>2812.10</b>
<b>(13) Chlorid sirnatý</b> (13) Sulfur dichloride	<b>(10545-99-0)</b>	<b>2812.10</b>
<b>(14) Thionylchlorid</b> (14) Thionyl chloride	<b>(7719-09-7)</b>	<b>2812.10</b>
<b>(15) 2,2'-(Ethylimino)diethanol</b> (15) Ethyldiethanolamine	<b>(139-87-7)</b>	<b>2922.19</b>
<b>(16) 2,2'-(Methylimino)diethanol</b> (16) Methyl-diethanolamine	<b>(105-59-9)</b>	<b>2922.19</b>
<b>(17) Triethanolamin</b> (17) Triethanolamine	<b>(102-71-6)</b>	<b>2922.13</b>

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2. The CAS registry number is the internationally accepted method of designation and systematic registration of chemicals used for historical reasons by the American Chemical Society. It is in essence a serial number (code) of a given chemical that serves as an entry point to the CAS database system.
3. The registry number HS contains codes (digital designations) of the four-, six-, or eight-digit subitems of the combined nomenclature.

**Recording Scheduled Chemicals**

Name of scheduled chemical ..... CAS ..... Unit used to express the recorded amount .....

Designation according to the chemicals manual ..... Serial No. of the scheduled chemical ..... Page .....

Item Serial No.	Date of Entry	Receipt	Delivery	Stock	Supplier (name, seat, Ident. No. - "IČO")	Voucher type and number	Recipient (name, seat, Ident. No. - "IČO")	Recipient's signature (voucher type and No.)	Note
1	2	3	4	5	6	7	8	9	10

**Note:** Details of recording the scheduled chemicals will be specified in a methodical directive to be issued by the Ministry of Industry and Trade of the Czech Republic.

