

II

(Acts whose publication is not obligatory)

COMMISSION

COMMISSION DIRECTIVE

of 30 January 1979

on the second adaptation to technical progress of Council Directive 67/548/EEC on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances

(79/370/EEC)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community,

Having regard to Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances ⁽¹⁾, as last amended by Commission Directive 76/907/EEC ⁽²⁾, and in particular Articles 8a, 8b and 8c thereof,

Whereas Annex I to Directive 67/548/EEC contains a list dangerous substances, together with particulars of the labelling procedure in respect of each substance (danger symbol, nature of risks and safety advice);

Whereas examination of the list of dangerous substances has shown that this list needs to be adapted in the light of the latest scientific and technical knowledge or, more precisely, that it is necessary to change the classification and labelling of certain substances, to include new substances and to provide additional explanatory notes to that list;

Whereas Annexes III and IV to Directive 67/548/EEC contain statements of special risks (R-phrases) and safety advice (S-phrases); whereas certain specific risks have now been more precisely identified; whereas some of the safety advice phrases should be more clearly expressed; whereas, in these circumstances, Annexes III and IV should be amended;

Whereas the measures provided for in this Directive are in accordance with the opinion of the Committee for the Adaptation to Technical Progress of the Directive on the Removal of Technical Barriers to Trade in Dangerous Substances and Preparations,

⁽¹⁾ OJ No 196, 16. 8. 1967, p. 1.

⁽²⁾ OJ No L 360, 30. 12. 1976, p. 1.

HAS ADOPTED THIS DIRECTIVE:

Article 1

Directive 67/548/EEC is amended as follows:

1. The following Note D shall be added after Note C in the foreword to Annex I:

'Note D

Certain substances which are susceptible to spontaneous polymerization or decomposition are generally placed on the market in a stabilized form. It is in this form that they are listed in Annex I to this Directive. However, such substances are sometimes placed on the market in a non-stabilized form.

In this case, the manufacturer or any other person who places such a substance on the market must state on the label the name of the substance followed by the words "non-stabilized".

Example:

Methacrylic acid (non-stabilized).'

2. The following corrections are hereby made to Annex I (List of dangerous substances):

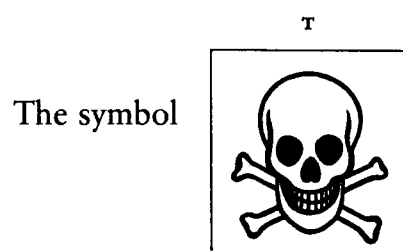
Page	Reference number	Substance	Error	Corrections
21	006-005-00-4	thiram	Xi The 'oxidizing' symbol is not correct	Xn Use the correct symbol: a flame above a circle
129	017-003-00-8	Barium chlorate		
129	017-004-00-3	Potassium chlorate		
130	017-005-00-9	Sodium chlorate		
130	017-006-00-4	Perchloric acid ...%		
213	603-002-00-5	Ethanol	C ₂ H ₅ OH	C ₂ H ₅ OH
293	607-065-00-X	Bromoacetic acid	S: 36/377-/39-44	S: 36/37/39
307	609-001-00-6	1-Nitropropane	Xi	Xn
357	612-055-00-3	N-Methyltoluidine	Note A	Note C
33	006-029-00-5	dioxacarb	S does not appear before the figures 2-13-44	Add S before the figures 2-13-44
63	015-001-00-1	White phosphorus		
		demeton-O	S: 5-26/28-45	S: 5-26-28-45
77	015-028-00-9	demeton-S	S: 1-13-26/28-45	S: 1-13-26-28-45
77	015-029-00-4	Lead azide	S: 1-13-26/28-45	S: 1-13-26-28-45
165	082-003-00-7	Trichloroacetic acid	S: 33/34-35	S: 33-34-35
262	607-004-00-7		S: 24/25/26	S: 24/25-26
383	614-026-00-0	Strophantin-K	R: 23/25/33	R: 23/25-33
396	617-010-00-1	Cyclohexanone peroxide	S 34 is missing	Add S 34

3. Annex I (List of dangerous substances) is amended as follows:

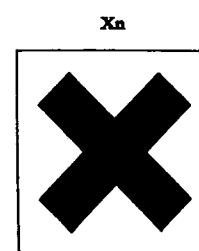
(1) No 015-093-00-3: leptophos

After R: 23/24/25 add -039

- (2) No 616-001-00-X: Dimethyl formamide



is replaced by the symbol



The statements of special risks and the safety advice are replaced by the following:

R: 20/21-36

S: 26-28-36

- (3) No 607-032-00-X: Ethyl acrylate

Add statement of special risks R: 20/22

Delete safety advice S: 29

- (4) No 607-034-00-0: Methyl acrylate

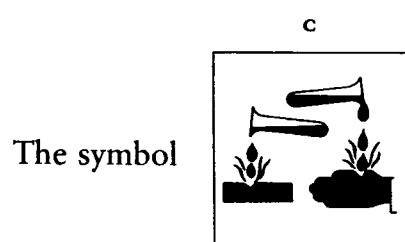
Add statement of special risks R: 20/22

Delete safety advice S: 29

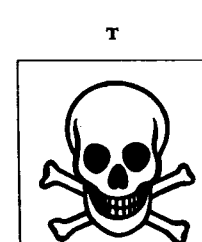
- (5) No 607-061-00-8: Acrylic acid

Add safety advice S: 36

- (6) No 607-072-00-8: 2-Hydroxyethyl acrylate



is replaced by the symbol



The statements of special risks and the safety advice are replaced by the following:

R: 24-34-43

S: 26-36/39-44

- (7) No 607-033-00-5: *n*-Butyl methacrylate

The symbol remains the Saint Andrew's cross but with the indication Xi. The statements of special risk are replaced by the following:

R: 10-36/37/38

Safety advice S: 24/25 is deleted.

- (8) No 602-054-00-6: 3-Iodopropene (Allyl iodide)

Add statement of special risks R: 10

Add safety advice S: 7

(9) No 603-009-00-3: Cyclohexanol

Delete statement of special risks R: 10

Add statement of special risks R: 22 to form the combination R: 20/22 and add R: 37/38

(10) No 606-001-00-8: Acetone

Add safety advice S: 23

(11) No 606-002-00-3: Butanone (Methyl ethyl ketone)

Add safety advice S: 23

(12) No 606-004-00-4: 4-Methylpentan-2-one (Methyl isobutyl ketone)

Add safety advice S: 23

(13) No 603-003-00-0: The designation of the substance is replaced by the following designation:

1-Propanol (Propylalkohol) [1] og 2-Propanol (Isopropylalkohol) [2]

1-Propanol (Propylalkohol) [1] und 2-Propanol (Isopropylalkohol) [2]

Propan-1-ol (Propyl alcohol) [1] and Propan-2-ol (Isopropyl alcohol) [2]

1-Propanol (Alcool propylique) [1] et 2-Propanol (Alcool isopropylique) [2]

1-Propanolo (Alcool propilico) [1] e 2-Propanolo (Alcool isopropilico) [2]

1-Propanol (Propylalcohol) [1] en 2-Propanol (Isopropylalcohol) [2]

(14) No 009-013-00-6: The designation of the substance is replaced by the following designation:

Hexafluorosilicater, undtagen de andetsteds i dette bilag nævnte

Hexafluorosilikate, mit Ausnahme der namentlich in dieser Anlage bezeichneten

Fluorosilicates, with the exception of those specified elsewhere in this Annex

Hexafluorosilicates (Fluosilicates), à l'exclusion de ceux nommément désignés dans cette annexe

Esafluosilicati, esclusi quelli espressamente indicati in questo allegato

Hexafluorsilikaten, met uitzondering van de in deze bijlage met name genoemde

(15) Add 'Note D' to the following substances:

No 601-013-00-X: 1,3-Butadiene

No 601-014-00-5: 2-Methylbuta-1,3-diene

No 601-026-00-0: Styrene

No 602-023-00-7: Vinyl chloride

No 602-025-00-8: 1,1-Dichloroethylene

No 602-029-00-X: 3-Chloropropene
No 602-036-00-8: 2-Chlorobuta-1,3-diene
No 603-021-00-9: Methyl vinyl ether
No 605-001-01-2: Formaldehyde (conc. >30%)
No 605-008-00-3: Acrolein
No 606-017-00-5: Diketene
No 607-023-00-0: Vinyl acetate
No 607-032-00-X: Ethyl acrylate
No 607-033-00-5: *n*-Butyl methacrylate
No 607-034-00-0: Methyl acrylate
No 607-035-00-6: Methyl methacrylate
No 607-061-00-8: Acrylic acid
No 607-062-00-3: *n*-Butyl acrylate
No 607-071-00-2: Ethyl methacrylate
No 607-072-00-8: 2-Hydroxyethyl acrylate
No 608-003-00-4: Acrylonitrile
No 613-001-00-1: Ethyleneimine

4. The substances specified in the Annex to this Directive shall be included in the abovementioned Annex I (List of dangerous substances).

5. (1) The following phrases are added to Annex III (Nature of the special risks attaching to dangerous substances):

R 42 Kan forårsage overfølsomhed ved indånding

Sensibilisierung durch Einatmen möglich

May cause sensitization by inhalation

Peut entraîner une sensibilisation par inhalation

Può provocare sensibilizzazione per inalazione

Kan overgevoeligheid veroorzaken bij inademing

R 43 Kan forårsage overfølsomhed ved berøring med huden

Sensibilisierung durch Hautkontakt möglich

May cause sensitization by skin contact

Peut entraîner une sensibilisation par contact avec la peau

Può provocare sensibilizzazione per contatto con la pelle

Kan overgevoeligheid veroorzaken bij contact met de huid

(2) The following combinations shall be added to the combination of R-phrases:

R 14/15 Reagerer voldsomt med vand under dannelse af yderst brandfarlige gasser

R 42/43 Kan forårsage overfølsomhed ved indånding og ved berøring med huden

R 14/15 Reagiert heftig mit Wasser unter Bildung leicht entzündlicher Gase

R 42/43 Sensibilisierung durch Einatmen und Hautkontakt möglich

R 14/15 Reacts violently with water, liberating highly flammable gases

R 42/43 May cause sensitization by inhalation and skin contact

R 14/15 Réagit violemment au contact de l'eau en dégageant des gaz très inflammables

R 42/43 Peut entraîner une sensibilisation par inhalation et contact avec la peau

R 14/15 Reagisce violentemente con l'acqua liberando gas facilmente infiammabili

R 42/43 Può provocare sensibilizzazione per inalazione e contatto con la pelle

R 14/15 Reageert heftig met water en vormt daarbij licht ontvlambaar gas

R 42/43 Kan overgevoeligheid veroorzaken bij inademing of contact met de huid

(3) In the Dutch version of Annex III (Nature of the special risks attaching to dangerous substances), the word 'prikkelend' is substituted for the word 'irriterend' in phrases R 36, R 37 and R 38 and in the combined phrases R 36/37, R 37/38, R 36/38, and R 36/37/38.

6. Annex IV (Safety advice concerning dangerous chemical substances) is amended as follows:

(1) S 23: add (appropriate wording to be specified by the manufacturer).

(2) S 42: add (appropriate wording to be specified by the manufacturer).

(3) S 3/7/9 is added to the combination of S-phrases:

— Emballagen opbevares tæt lukket på et køligt, godt ventileret sted.

— Behälter dicht geschlossen halten und an einem kühlen, gut gelüfteten Ort aufbewahren.

— Keep container tightly closed in a cool, well-ventilated place.

— Conserver le récipient bien fermé dans un endroit frais bien ventilé.

— Tenere il recipiente ben chiuso in luogo fresco ben ventilato.

— Gesloten verpakking op een koele en goed geventileerde plaats bewaren.

(4) In the German version of safety advice S 26 the words 'Spritzer in die Augen' are replaced by the words 'Bei Berührung mit den Augen ...'.

Article 2

Before 1 January 1980 the Member States shall adopt and publish the provisions necessary to comply with this Directive and shall forthwith inform the Commission thereof. They shall apply such provisions from 1 July 1980.

Article 3

This Directive is addressed to the Member States.

Done at Brussels, 30 January 1979.

For the Commission

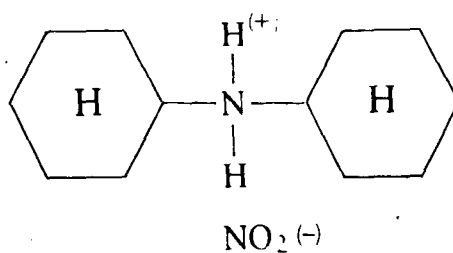
Étienne DAVIGNON

Member of the Commission

BILAG — ANLAGE — ANNEX — ANNEXE — ALLEGATO — BIJLAGE

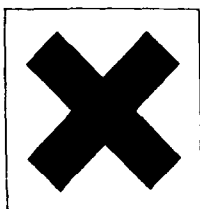
Cas No 3129-91-7

No 007-009-00-9



Dicyclohexylammoniumnitrit
Dicyclohexylammoniumnitrit
Dicyclohexylammonium nitrite
Nitrite de dicyclohexylammonium
Dicicloesilammonio nitrito
Dicyclohexylammoniumnitriet

Xn

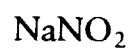


R: 20/22

S: 15-41

Cas No 7632-00-0

No 007-010-00-4



Natriumnitrit
Natriumnitrit
Sodium nitrite
Nitrite de sodium
Sodio nitrito
Natriumnitriet

O



T



R: 8-25

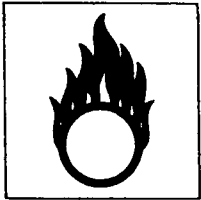
S: 44

Cas No 7558-09-0

No 007-011-00-X



Kaliumnitrit
Kaliumnitrit
Potassium nitrite
Nitrite de potassium
Potassio nitrito
Kaliumnitriet

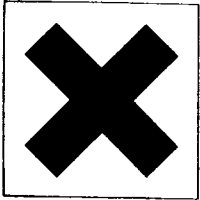
O	T	
		
		R: 8-25 S: 44

Cas No 1310-03-8

No 009-014-00-1

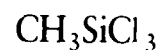


Blyhexafluorosilicat
Bleihexafluorsilikat
Lead hexafluorosilicate
Hexafluorosilicate de plomb (II) [Fluosilicate de plomb (II)]
Piombo esafluosilicato
Loodhexafluorsilikaat

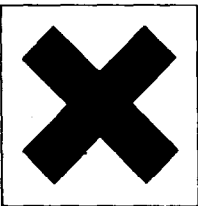
Xn	
	
	R: 20/22-33 S: 13-20/21-24/25

Cas No 75-79-6

No 014-004-00-5

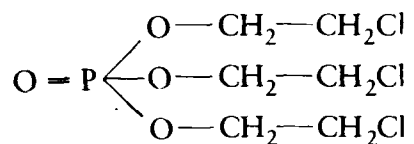


Methyltrichlorsilan
Methyltrichlorsilan
Trichloro(methyl)silane (Methyltrichlorosilane)
Trichlorométhylsilane
Metiltriclorosilano
Methyltrichloorsilaan

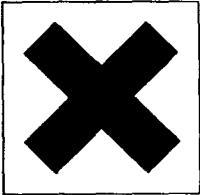
F 	XI 	R: 11-14-36/37/38 S: 26-39
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Cas No 115-96-8

No 015-102-00-0



Tri-(2-chlorethyl)-phosphat
Tris(2-chlorethyl)-phosphat
Tris(2-chloroethyl) phosphate
Phosphate de tris (2-chloroéthyle)
Tris(2-cloroetil) fosfato
Tris(2-chloorethyl) fosfaat

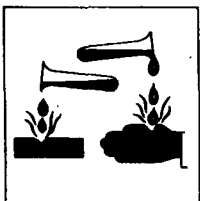
XI 	R: 22-36/38 S:
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Cas No 7789-60-8

No 015-103-00-6



Phosphortribromid
Phosphortribromid
Phosphorus tribromide
Tribromure de phosphore
Fosforo tribromuro
Fosfortribromide

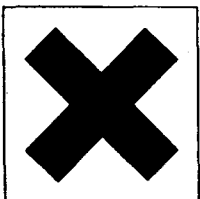
c 	R: 14-34-37 S: 26
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Cas No 1314-80-3

No 015-104-00-1

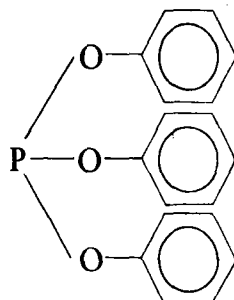


Phosphorpentasulfid
Diphosphorpentasulfid (Phosphorpentasulfid)
Phosphorus pentasulphide
Pentasulfure de diphosphore (Pentasulfure de phosphore)
Fosforo pentasolfuro
Fosforpentasulfide

F 	Xn 	R: 11-20/22-29 S:
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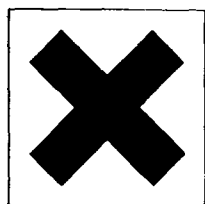
Cas No 101-02-0

No 015-105-00-7



Triphenylphosphit
Triphenylphosphit
Triphenyl phosphite
Phosphite de triphényle
Trifenil fosfito
Trifenylfosfiet

Xi

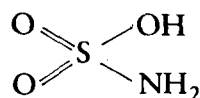


R: 36/38

S: 28

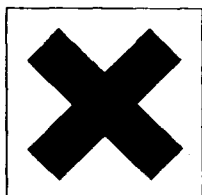
Cas No 5329-14-6

No 016-026-00-0



Sulfaminsyre
Amidosulfonsäure (Sulfaminsäure)
Sulphamic acid
Acide amidosulfurique (Acide sulfamique)
Acido solfammico
Sulfaminezuur (Aminosulfonzuur)

Xi

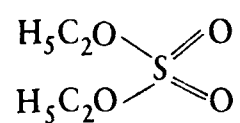


R: 36/38

S: 2-26-28

Cas No 64-67-5

No 016-027-00-6



Diethylsulfat
Diethylsulfat
Diethyl sulphate
Sulfate de diéthyle
Dietile solfato
Diethylsulfaat

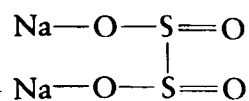


R: 22-23-34

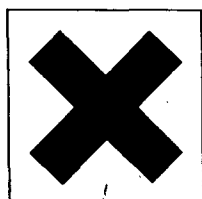
S: 26-37

Cas No 7631-94-9

No 016-028-00-1



Natriumdithionit
Natriumdithionit
Sodium dithionite (Sodium hydrosulphite)
Dithionite de sodium (Hydrosulfite de sodium)
Sodio idrosolfito
Natriumdithioniet

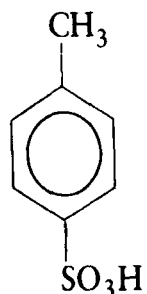
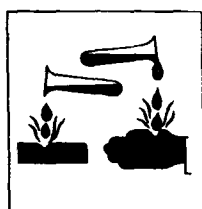


R: 7-22-31

S: 7/8-26-28-43

Cas No 104-15-4

No 016-029-00-7

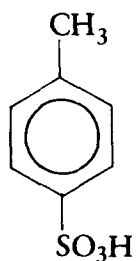
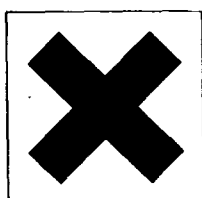
*p*-Toluensulfonsyre (indeholdende mere end 5 % H_2SO_4)*p*-Toluolsulfonsäure (mit mehr als 5 % H_2SO_4)*p*-Toluenesulphonic acid (containing more than 5% H_2SO_4)Acide *p*-toluènesulfonique (contenant plus de 5 % de H_2SO_4)Acido *p*-toluensolfonico (contenente più del 5 % H_2SO_4)*p*-Tolueen sulfonzuur (met meer dan 5 % H_2SO_4)

R: 34

S: 26-37/39

Cas No 104-15-4

No 016-030-00-2

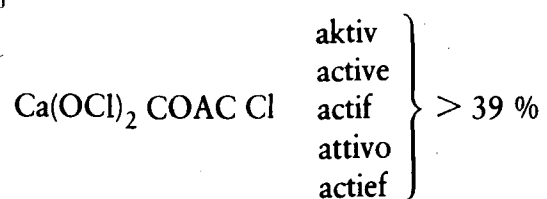
*p*-Toluensulfonsyre (indeholdende højst 5 % H_2SO_4)*p*-Toluolsulfonsäure (mit höchstens 5 % H_2SO_4)*p*-Toluenesulphonic acid (containing a maximum of 5% H_2SO_4)Acide *p*-toluènesulfonique (contenant un maximum de 5 % de H_2SO_4)Acido *p*-toluensolfonico (contenente non più del 5 % H_2SO_4)*p*-Tolueensulfonzuur (met maximum 5 % H_2SO_4)

R: 36/37/38

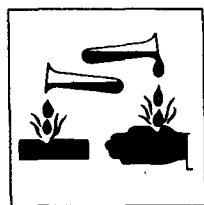
S: 26-37

Cas No 7778-54-3

No 017-012-00-7



Calciumhypochlorit
Calciumhypochlorit
Calcium hypochlorite
Hypochlorite de calcium
Calcio ipoclorito
Calciumhypochloriet

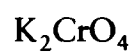


R: 8-31-34

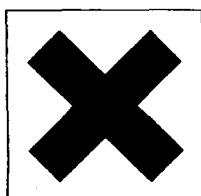
S: 2-26-43

Cas No 7789-00-6

No 024-006-00-8



Kaliumchromat
Kaliumchromat
Potassium chromate
Chromate de potassium
Potassio cromato
Kaliumchromaat



R: 36/37/38

S: 22-28

Cas No

No 048-001-00-5

Nota A

Cadmiumforbindelser, med undtagelse af cadmiumsulfid (CdS), cadmiumsulfo-selenid ($x\text{CdS} \cdot y\text{CdSe}$) og blandinger af cadmiumsulfid med zinksulfid ($x\text{CdS} \cdot y\text{ZnS}$), såvel som cadmiumforbindelser opført andetsteds i dette bilag

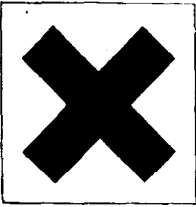
Cadmiumverbindungen, mit Ausnahme von Cadmiumsulfid (CdS), Cadmiumselenosulfid ($x\text{CdS} \cdot y\text{CdSe}$) und Mischungen von Cadmium und Zinksulfid ($x\text{CdS} \cdot y\text{ZnS}$) sowie der in dieser Anlage gesondert aufgeführten Cadmiumverbindungen

Cadmium compounds, with the exception of cadmium sulphide (CdS), cadmium sulphoselenide ($x\text{CdS} \cdot y\text{CdSe}$), mixture of cadmium sulphide with zinc sulphide ($x\text{CdS} \cdot \text{ZnS}$), and those specified elsewhere in this Annex

Composés de cadmium à l'exclusion du sulfure (CdS), du sulfoséléniure ($x\text{CdS} \cdot y\text{CdSe}$) et du sulfure mixte cadmium-zinc ($x\text{CdS} \cdot y\text{ZnS}$) et de ceux nommément désignés dans cette annexe

Composti di cadmio, esclusi il solfuro (CdS), il solfoseleniuro ($x\text{CdS} \cdot y\text{CdSe}$), i solfuri misti di Cadmio e Zinco ($x\text{CdS} \cdot y\text{ZnS}$) e quelli espressamente indicati in questo allegato

Cadmiumverbindingen met uitzondering van cadmiumsulfide (CdS), cadmiumsulfo-selenide ($x\text{CdS} \cdot y\text{CdSe}$) en mengsels van cadmiumsulfide met zinksulfide ($x\text{CdS} \cdot y\text{ZnS}$) alsmede van in deze bijlage met name genoemde Cd-verbindingen

Xn 	R: 20/21/22 S: 22⁽¹⁾
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⁽¹⁾ Såfremt hensigtsmæssigt. Wenn erforderlich. If appropriate. Si approprié. Se appropriato. Indien toepasbaar.

Cas No 1306-19-0

No 048-002-00-0

CdO

Cadmiumoxid
 Cadmiumoxid
 Cadmium oxide
 Oxyde de cadmium
 Cadmio ossido
 Cadmiumoxide

T 	R: 23/25-33-40 S: 22-44
--	---------------------------------------

Cas No 4464-23-7

No 048-003-00-6



Cadmiumformiat
Cadmiumformiat
Cadmiumformate
Formiate de cadmium
Formiato di cadmio
Cadmiumformiaat

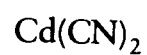


R: 23/25-33-40

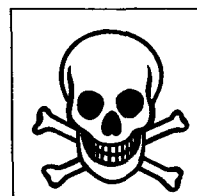
S: 22-44

Cas No 542-83-6

No 048-004-00-1



Cadmiumcyanid
Cadmiumcyanid
Cadmiumcyanide
Cyanure de cadmium
Cadmio cianuro
Cadmiumcyanide



R: 26/27/28-32-33-40

S: 1/2-7-28-29-45

Cas No

No 048-005-00-7



Cadmiumhexafluorosilicat

Cadmiumhexafluorosilikat

Cadmium fluorosilicate

Hexafluorosilicate de cadmium (Fluosilicate de cadmium)

Cadmio esafluosilicato

Cadmiumhexafluorsilikaat

T



R: 23/25-33-40

S: 22-44

Cas No 7790-79-6

No 048-006-00-2



Cadmiumfluorid

Cadmiumfluorid

Cadmium fluoride

Fluorure de cadmium

Cadmio fluoruro

Cadmiumfluoride

T



R: 23/25-33-40

S: 22-44

Cas No 7790-80-9

No 048-007-00-8



Cadmiumiodid
Cadmiumiodid
Cadmium iodide
Iodure de cadmium
Cadmio ioduro
Cadmiumiodid



R: 23/25-33-40

S: 22-44

Cas No 10108-64-2

No 048-008-00-3



Cadmiumchlorid
Cadmiumchlorid
Cadmium chlörde
Chlorure de cadmium
Cadmio cloruro
Cadmiumchloride



R: 23/25-33-40

S: 22-44

Cas No

No 051-003-00-9

Nota A

Antimonforbindelser med undtagelse af antimontrisulfid (Sb_2S_3), antimonpentasulfid (Sb_2S_5), antimontrioxid (Sb_2O_3), antimonpentoxid (Sb_2O_5) og sådanne nævnt andetsteds i dette bilag

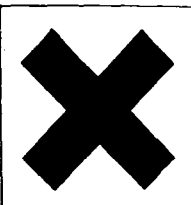
Antimonverbindungen, mit Ausnahme von Diantimontrioxid (Sb_2O_3), Diantimontetraoxid (Sb_2O_4), Diantimonpentoxid (Sb_2O_5), Diantimontrisulfid (Sb_2S_3), Diantimonpentasulfid (Sb_2S_5) sowie der Antimonverbindungen, die in dieser Anlage gesondert aufgeführt sind

Antimony compounds, with the exception of the trioxide (Sb_2O_3), tetroxide (Sb_2O_4), pentoxide (Sb_2O_5), trisulphide (Sb_2S_3), pentasulphide (Sb_2S_5) and those specified elsewhere in this Annex

Composés d'antimoine à l'exclusion du trioxyde (Sb_2O_3), du tétroxyde (Sb_2O_4), du pentoxyde (Sb_2O_5), du trisulfure (Sb_2S_3), du pentasulfure (Sb_2S_5) et de ceux nommément désignés dans cette annexe.

Composti di antimonio esclusi triossido (Sb_2O_3), tetraossido (Sb_2O_4), pentaossido (Sb_2O_5), trisolfuro (Sb_2S_3), pentasolfuro (Sb_2S_5) e quelli espressamente indicati in questo allegato

Antimoonverbindingen met uitzondering van trioxide (Sb_2O_3), tetroxide (Sb_2O_4), pentoxide (Sb_2O_5), trisulfide (Sb_2S_3), pentasulfide (Sb_2S_5) alsmede van in deze bijlage met name genoemde zouten

Xn 	R: 20/22 S: 22⁽¹⁾
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⁽¹⁾ Såfremt hensigtsmæssigt. Wenn erforderlich. If appropriate. Si approprié. Se appropriato. Indien toepasbaar.

Cas No 7783-56-4

No 051-004-00-4



Antimontrifluorid
 Antimontrifluorid
 Antimony trifluoride
 Trifluorure d'antimoine
 Antimonio trifluoruro
 Antimoontrifluoride

T 	R: 23/24/25 S: 7-26-44
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Cas No 20816-12-0

No 076-001-00-5



Osmiumtetroxid

Osmiumtetroxid

Osmium tetroxide (Osmic acid)

Tétraoxyde d'osmium (Acide osmique)

Tetrossido di osmio (Osmio tetrossido)

Osmiumtetroxide

T

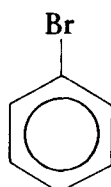


R: 26/27/28-34

S: 7/9-26-45

Cas No 108-86-1

No 602-060-00-9



Brombenzen

Brombenzol

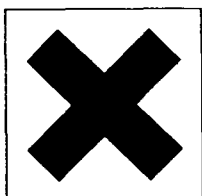
Bromobenzene

Bromobenzène

Bromobenzene

Broombenzeen

Xi



R: 10-38

S:

Cas No 116-15-4

No 602-061-00-4



Hexafluorpropen

Hexafluorpropen (Perfluorpropylen)

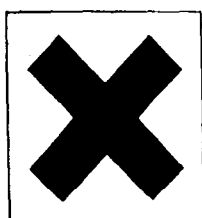
Hexafluorpropene (Hexafluorpropylene)

Perfluorpropène (Hexafluorpropylène)

Esafluorpropene (Perfluorpropene)

Perfluorpropeen (Hexafluorpropeen)

Xn

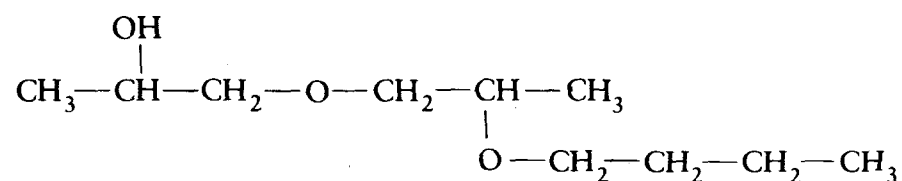


R: 20-37

S: 41

Cas No

No 603-050-00-7



1-(2-Butoxypropoxy)-2-propanol

1-(2-Butoxypropoxy)-2-propanol

1-(2-Butoxypropoxy)propan-2-ol

1-(2-Butoxypropoxy)-2-propanol

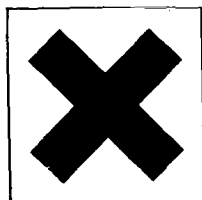
(Éther-monobutylique du dipropylène-glycol)

1-(2-butossi propossi)-2-propanolo

(Etere monobutilico del dipropilenglicole)

1-(2-Butoxypropoxy)-2-propanol

Xn

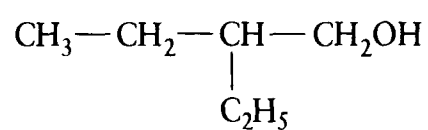


R: 21/22

S:

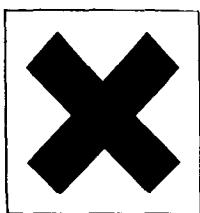
Cas No 97-95-0

No 603-051-00-2



2-Ethylbutanol
 2-Ethylbutanol
 2-Ethylbutan-1-ol
 2-Éthylbutanol
 2-Etilbutanolo
 2-Ethylbutanol

Xn

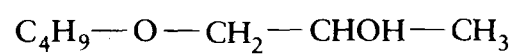


R: 21/22

S:

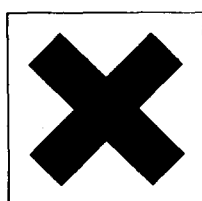
Cas No

No 603-052-00-8



3-Butoxy-2-propanol
 3-Butoxy-2-propanol
 3-Butoxypropan-2-ol (Propylene glycol monobutyl ether)
 3-Butoxy-2-propanol (Éther monobutylique du propylène-glycol)
 3-Butossi-2-propanolo
 3-Butoxy-2-propanol

Xi

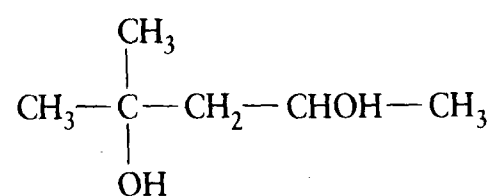


R: 36/38

S:

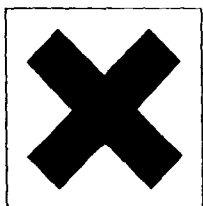
Cas No 107-41-5

No 603-053-00-3



2-Methyl-2,4-pentandiol
 2-Methyl-2,4-pentandiol
 2-Methylpentane-2,4-diol
 2-Méthyl-2,4-pentanediol
 2-Metil-2,4-pentandiolo
 2-Methyl-2,4-pentaandiol

Xi

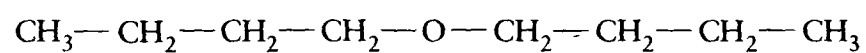


R: 36/38

S:

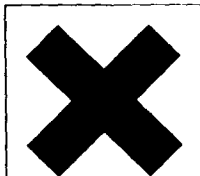
Cas No 142-96-1

No 603-054-00-9



Dibutylether (Di-*n*-butylether)
 Di-*n*-butylether
 Di-*n*-butyl ether (Dibutyl ether)
 Oxyde de dibutyle (Éther *n*-butylique)
 Di-*n*-butil-eter
 Di-*n*-butylether

Xi

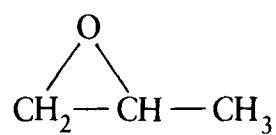


R: 10-36/37/38

S:

Cas No 75-56-9

No 603-055-00-4



1,2-Epoxypropan (Methyloxiran)

1,2-Epoxypropan

(1,2-Propylenoxid)

1,2-Epoxypropane

(1,2-Propylene oxide)

1,2-Époxypropane

(Oxyde de propylène)

1,2-Epossipropano

(Ossido di propilene)

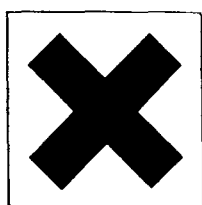
1,2-Epoxypropaan

(1,2-propyleenoxide)

F



Xn

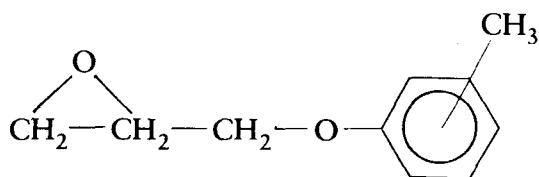


R: 12-20/21/22

S: 9-16-26-29

Cas No 26447-14-3

No 603-056-00-X



Nota C

1,2-Epoxy-3-(tolylloxy)-propan (Cresylglycidylether)

1,2-Epoxy-3-(tolylloxy)-propan (Kresylglycidylether)

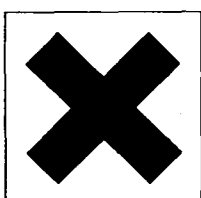
1,2-Epoxy-3-(tolylloxy)propane (Cresyl glycidyl ether)

1,2-Époxy-3-(tolylloxy)propane (Oxyde de glycidyle et de tolyle)

1,2-Eossi-3 (tolilossi)-propano (Cresile glicidile etere)

1,2-Epoxy-3 (tolylloxy)-propaan (Cresylglycidylether)

Xi

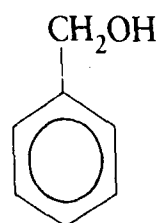


R: 38

S: 26-28

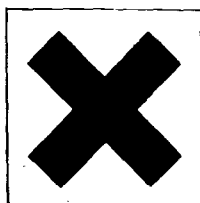
Cas No 100-51-6

No 603-057-00-5



Benzylalkohol
Benzylalkohol
Benzyl alcohol
Alcool benzylique
Alcool benzilico
Benzylalcohol

Xn

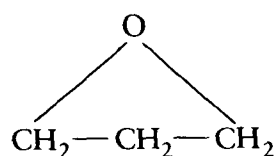


R: 20/22

S: 26

Cas No 503-30-0

No 603-058-00-0

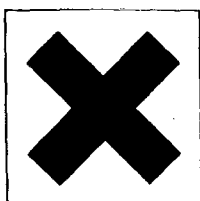


Oxetan
1,3-Epoxypropan
(1,3-Propylenoxid)
1,3-Propylene oxide
1,3-Époxypropane
(Oxyde de triméthylène)
1,3-Epossipropano
1,3-Epoxypropaan
(1,3-propyleenoxide)

F



Xn

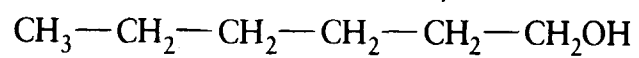


R: 11-20/21/22

S: 9-16-26-29

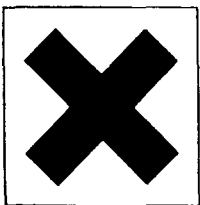
Cas No 111-27-3

No 603-059-00-6



1-Hexanol
1-Hexanol
Hexan-1-ol
1-Hexanol (Alcool hexylique)
1-Esanolo
1-Hexanol

Xn

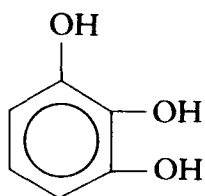


R: 22

S: 24/25

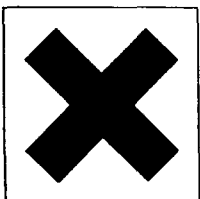
Cas No 87-66-1

No 604-009-00-6



1,2,3-Trihydroxybenzen (Pyrogallol)
1,2,3-Trihydroxybenzol (Pyrogallol)
1,2,3-Trihydroxybenzene (Pyrogallol)
1,2,3-Benzènetriol (Pyrogallol)
1,2,3-Triidrossibenzene (Pirogallolo)
1,2,3-Trihydroxybenzeen (Pyrogallol)

Xn

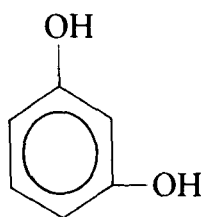


R: 20/21/22

S:

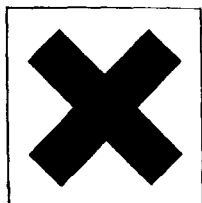
Cas No 108-46-3

No 604-010-00-1



1,3-Benzendiol (Resorcinol)
1,3-Dihydroxybenzol (Resorcin)
Resorcinol (1,3-Benzenediol)
1,3-Benzènediol (Résorcinol)
1,3-Diidrossibenzene (Resorcina)
1,3-Benzeendiol (Resorcinol)

Xn

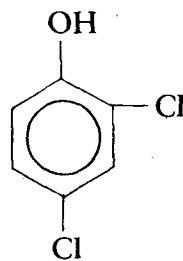


R: 22-36/38

S: 26

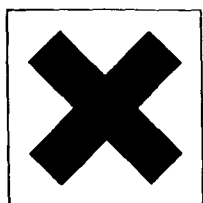
Cas No 120-83-2

No 604-011-00-7



2,4-Dichlorphenol
2,4-Dichlorphenol
2,4-Dichlorophenol
2,4-Dichlorophénol
2,4-Diclorofenolo
2,4-Dichloorfenol

Xn

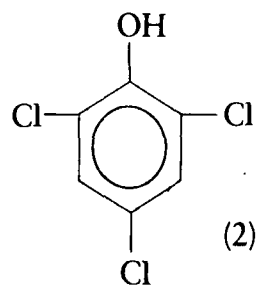
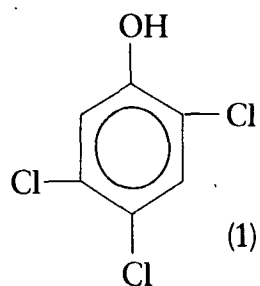


R: 22-36/38

S: 26-28

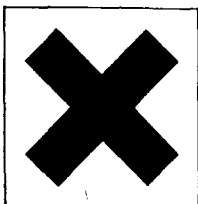
Cas No 95-95-4 [1]
88-06-2 [2]

No 604-012-00-2



2,4,5-Trichlorophenol (1)
2,4,6-Trichlorophenol (2)
2,4,5-Trichlorophenol (1)
2,4,6-Trichlorophenol (2)
2,4,5-Trichlorophenol (1)
2,4,6-Trichlorophenol (2)
2,4,5-Trichlorophénol (1)
2,4,6-Trichlorophénol (2)
2,4,5-Triclorofenolo (1)
2,4,6-Triclorofenolo (2)
2,4,5-Trichloorfenol (1)
2,4,6-Trichloorfenol (2)

Xn

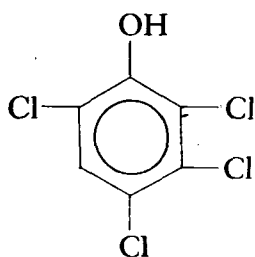


R: 22-36/38

S: 26-28

Cas No 58-90-2

No 604-013-00-8



2,3,4,6-Tetrachlorophenol
2,3,4,6-Tetrachlorophenol
2,3,4,6-Tetrachlorophenol
2,3,4,6-Tétrachlorophénol
2,3,4,6-Tetraclorofenolo
2,3,4,6-Tetrachloorfenol

T

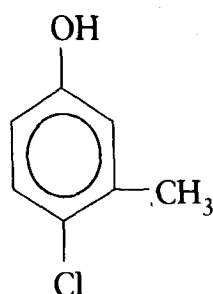


R: 25-36/38

S: 26-28-37-44

Cas No 59-50-7

No 604-014-00-3



4-Chlor-3-methylphenol

(p-Chlor-*m*-cresol)

4-Chlor-3-methylphenol

(4-Chlor-*m*-kresol)4-Chloro-*m*-crésol

(4-Chloro-3-methylphenol)

4-Chloro-3-méthylphénol

(p-Chloro-*m*-crésol)

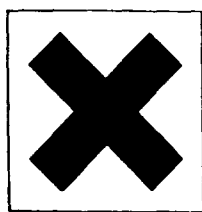
4-Cloro-3-metilfenolo

(p-cloro-*m*-cresolo)

4-Chloor-3-methylfenol

(p-chloor-*m*-kresol)

Xn

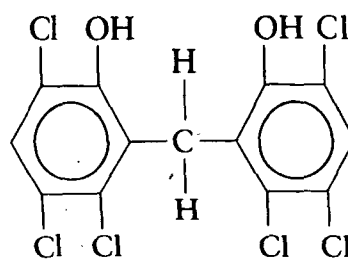


R: 21/22-38

S: 26-28

Cas No 70-30-4

No 604-015-00-9



2,2'-Methylen-bis-(3,4,6-trichlorophenol)

(Hexachlorophen)

2,2'-Methylen-bis-(3,4,6-trichlorophenol)

(Hexachlorophen)

2,2'-Methylenebis-(3,4,6-trichlorophenol)

(Hexachlorophene)

2,2'-Méthylène-bis(3,4,6-trichlorophénol)

(Hexachlorophène)

2,2'-Metilen-bis-(3,4,6-triclorofenolo)

(Esaclorofene)

2,2'-methyleen-bis-(3,4,6-trichloorfenol)

(Hexachlorofoon)

T



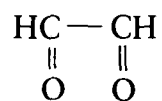
R: 24/25

S: 20-37-44

Cas No 107-22-2

No 605-016-00-7

Nota B



Glyoxal ... % (Ethandial ... %)

Glyoxal ... %

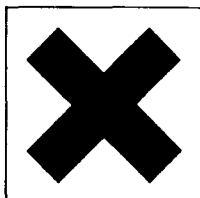
Ethane-1,2-dione ... % (Glyoxal ... %)

Glyoxal ... %

Gliossale ... %

Glyoxaal ... %

XI

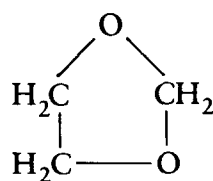


R: 36/38

S: 26-28

Cas No 646-06-0

No 605-017-00-2



1,3-Dioxolan

1,3-Dioxolan

1,3-Dioxolane

1,3-Dioxolane

1,3-Diossolano

1,3-Dioxolan

F

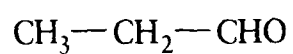


R: 11

S: 16

Cas No 123-38-6

No 605-018-00-8

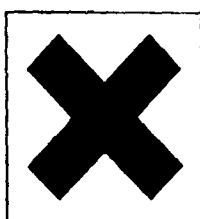


Propanal (Propionaldehyd)
Propanal (Propionaldehyd)
Propanal (Propionaldehyde)
Propanal (Aldéhyde propionique)
Propanale (Aldeide propionica)
Propanal (Propionaldehyde)

F



Xi

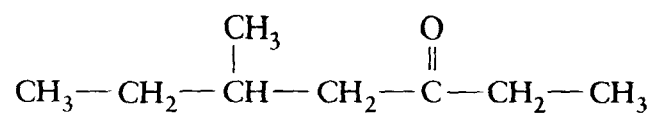


R: 11-36/37/38

S: 9-16-29

Cas No 541-85-5

No 606-020-00-1



5-Methyl-3-heptanon
5-Methyl-3-heptanon
5-Methylheptan-3-one
5-Méthyl-3-heptanone
5-Metil-3-eptanone
5-Methyl-3-heptanon

Xi

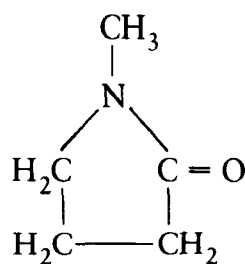


R: 10-36/37

S: 23

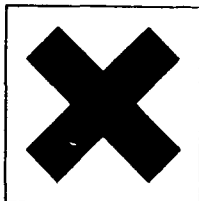
Cas No 872-50-4

No 606-021-00-7



N-Methyl-2-pyrrolidon
N-Methyl-2-pyrrolidon
N-Methyl-2-pyrrolidone
N-Méthyl-2-pyrrolidone
N-metil 2 pirrolidone
N-Methyl-2-pyrrolidon

Xi

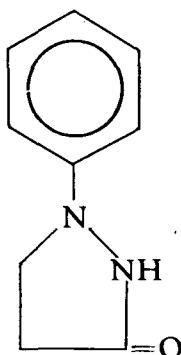


R: 36/38

S: 41

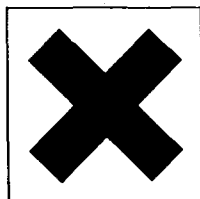
Cas No 92-43-3

No 606-022-00-2



1-Phenyl-3-pyrazolidon
1-Phenyl-3-pyrazolidon
1-Phenyl-3-pyrazolidone
1-Phényl-3-pyrazolidone
1-Fenile-3-pirazolidone
1-Fenyl-3-pyrazolidon

Xn

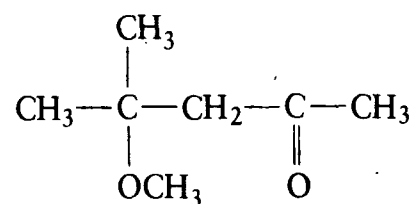


R: 22

S:

CAs No 107-70-0

No 606-023-00-8



4-Methoxy-4-methylpentan-2-on
(Diacetonemethylether)

4-Methoxy-4-methyl-2-pentanon
(Diacetonalkoholmethylether)

4-Methoxy-4-methylpentan-2-one

4-Méthoxy-4-méthyl-2-pentanone

4-Metossi-4-metil-2-pentanone

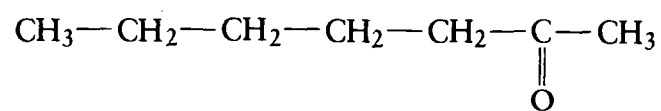
4-Methoxy-4-methyl-2-pentanon

R: 10

S: 23

Cas No 110-43-0

No 606-024-00-3



2-Heptanon

2-Heptanon

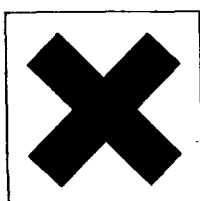
Heptan-2-one

2-Heptanone (Méthyl-*n*-amylcétone)

2-Eptanone

2-Heptanon

Xn



R: 10-22

S: 23

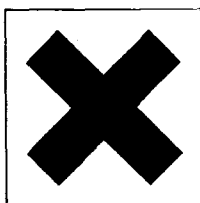
Cas No 120-92-3

No 606-025-00-9



Cyclopentanon
Cyclopentanon
Cyclopentanone
Cyclopentanone
Ciclopentanone
Cyclopentanon

xi

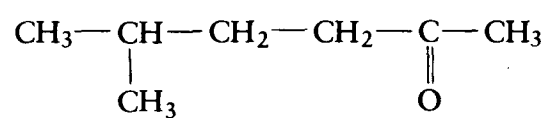


R: 10-36/38

S: 23

Cas No 110-12-3

No 606-026-00-4



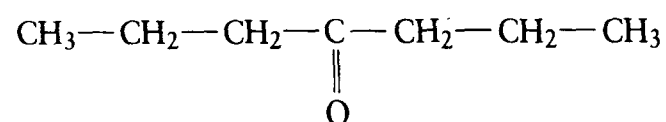
5-Methyl-2-hexanon
5-Methyl-2-hexanon
5-Methylhexan-2-one (Methylisoamyl ketone)
5-Méthyl-2-hexanone (Méthylisoamylcétone)
5-Metil-2-esanone
5-Methyl-2-hexanon

R: 10

S: 23

Cas No 123-19-3

No 606-027-00-X



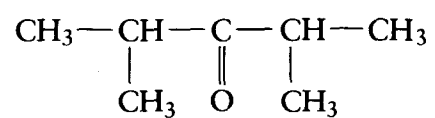
4-Heptanon (Dipropylketon)
4-Heptanon (Dipropylketon)
Heptan-4-one (Di-n-propyl ketone)
4-Heptanone (Dipropylcétone)
4-Eptanone (Dipropilchetone)
4-Heptanon (Dipropylketon)

R: 10

S: 23

Cas No 565-80-0

No 606-028-00-5



2,4-Dimethyl-3-pentanon (Diisopropylketon)
2,4-Dimethyl-3-pentanon (Diisopropylketon)
2,4-Dimethylpentan-3-one (Di-isopropyl ketone)
2,4-Diméthyl-3-pentanone (Diisopropylcétone)
2,4-Dimetil-3-pentanone
2,4-Dimethyl-3-pentanon (Diisopropylketon)

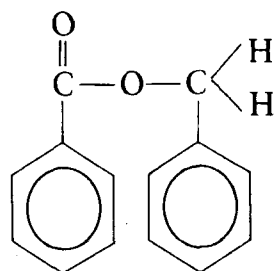


R: 11

S: 16-23

Cas No 120-51-4

No 607-085-00-9



Benzylbenzoat

Benzylbenzoat

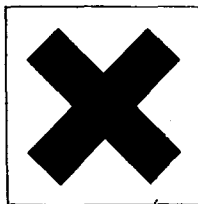
Benzyl benzoate

Benzoate de benzyle

Benzile benzoato

Benzylbenzoaat

Xn

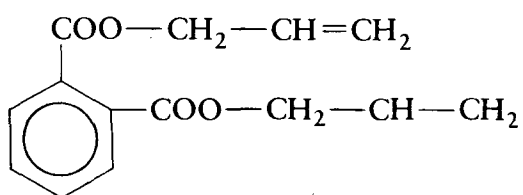


R: 22

S: 25

Cas No 131-17-9

No 607-086-00-4



Diallylphthalat

Diallylphthalat

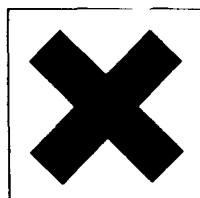
Diallyl phthalate

Phtalate de diallyle

Diallile ftalato

Diallylftalaat

Xn

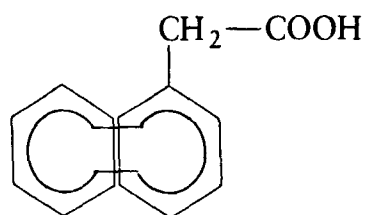


R: 22

S: 24/25

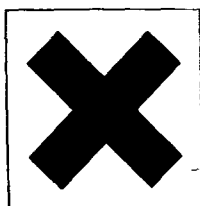
Cas No 86-87-3

No 607-087-00-X



1-Naphthyleddikesyre
1-Naphthyleessigsäure
1-Naphthylacetic acid
Acide 1-naphtylacétique
Acido 1-naftilacetico
1-Naphtylazijnzuur

Xn



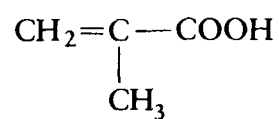
R: 22

S: 24/25

Cas No 79-41-4

No 607-088-00-5

Nota D



Methacrylsyre (2-Methylpropensyre)
Methacrylsäure
Methacrylic acid (2-Methylpropenoic acid)
Acide méthacrylique
Acido metacrilico (Acido 2-metil propenoico)
Methacrylzuur

C



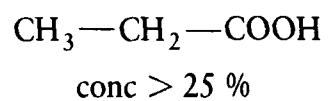
R: 34

S: 15-26

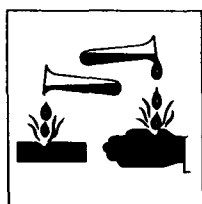
Cas No 79-09-4

No 607-089-00-0

Nota B



Propionsyre ... %
Propionsäure ... %
Propionic acid ... %
Acide propionique ... %
Acido propionico ... %
Propionzuur ... %



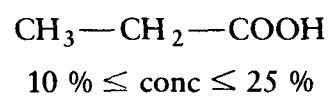
R: 34

S: 2-23-26

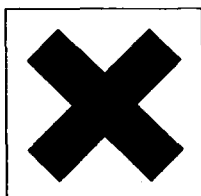
Cas No 79-09-4

No 607-089-01-8

Nota B



Propionsyre ... %
Propionsäure ... %
Propionic acid ... %
Acide propionique ... %
Acido propionico ... %
Propionzuur ... %

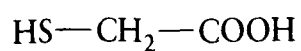


R: 36/37/38

S; 2

Cas No 68-11-1

No 607-090-00-6



Mercaptoeddikesyre (Thioglycolsyre)

Thioglykolsäure

Thioglycolic acid

Acide mercaptoacétique (Acide thioglycolique)

Acido tioglicolico

Thioglycolzuur



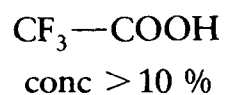
R: 23/24/25-34

S: 2-25-27-28

Cas No 76-05-1

No 607-091-00-1

Nota B



Trifluoreddikesyre ... %

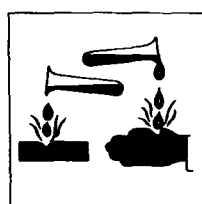
Trifluoressigsäure ... %

Trifluoroacetic acid ... %

Acide trifluoroacétique ... %

Acido trifluoroacetico ... %

Trifluorazijnzuur ... %



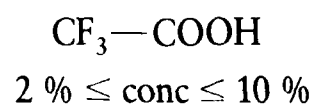
R: 20-35

S: 9-26-27-28

Cas No 76-05-1

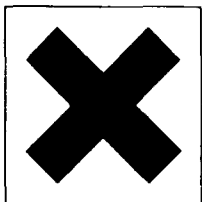
No 607-091-01-9

Nota B



Trifluoreddikesyre ... %
Trifluoressigsäure ... %
Trifluoroacetic acid ... %
Acide trifluoroacétique ... %
Acido trifluoroacetico ... %
Trifluorazijnzuur ... %

xi

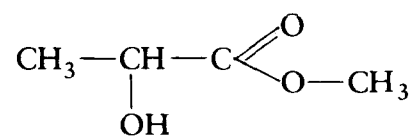


R: 36/37/38

S: 23-26

Cas No 547-64-8

No 607-092-00-7



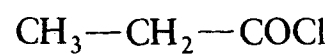
Methyllactat
Methyllaktat
Methyl lactate
Lactate de méthyle
Metile lattato
Methyllactaat

R: 10

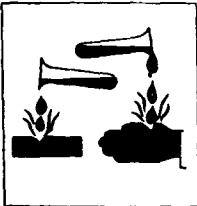
S: 23

Cas No 79-03-8

No 607-093-00-2

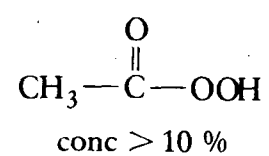


Propionylchlorid
Propionylchlorid
Propionyl chloride
Chlorure de propionyle
Propionile cloruro
Propionylchloride

F 	C 	R: 11-14-34 S: 9-16-26
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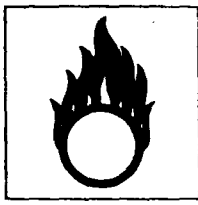
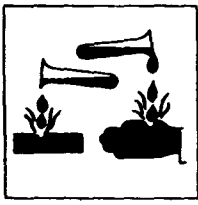
Cas No 79-21-0

No 607-094-00-8



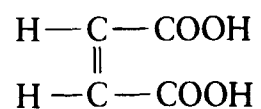
Nota B
Nota D

Peroxyeddikesyre ... %
(Pereddikesyre ... %)
Peroxyessigsäure ... %
(Peressigsäure ... %)
Peracetic acid ... %
Acide peracétique ... %
Acido peracetico ... %
Perazijnzuur ... %

O 	C 	R: 5-22-34 S: 3-27-36
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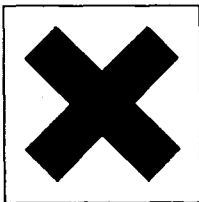
Cas No 110-16-7

No 607-095-00-3



Maleinsyre
Maleinsäure
Maleic acid
Acide maléique
Acido maleico
Maleïnezuur

xi

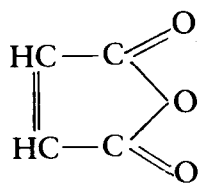


R: 22-36/37/38

S: 26-28-37

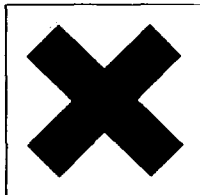
Cas No 108-31-6

No 607-096-00-9



Maleinsyreanhydrid
Maleinsäureanhydrid
Maleic anhydride
Anhydride maléique
Anidride maleica
Maleïnezuuranhydride

xi

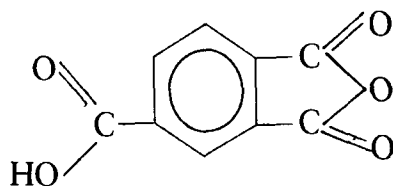


R: 22-36/37/38-42

S: 22-28-39

Cas No 552-30-7

No 607-097-00-4



1,2,4-Benzentricarboxylsyre-1,2-anhydrid

(Trimellitsyreanhydrid)

Trimellitsäureanhydrid

(1,2,4-Benzoltricarbonsäureanhydrid)

Benzene-1,2,4-tricarboxylic-1,2-anhydride

(Trimellitic anhydride)

1,2-Anhydride 1,2,4-benzènetricarboxylique

(Anhydride trimellitique)

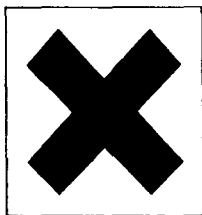
Anidride dell'acido 1,2,4-benzen tricarbossilico

(Anidride trimellitica)

1,2,4-Benzeentricarbonzuuranhydride

(Trimellietzuuranhydride)

xi

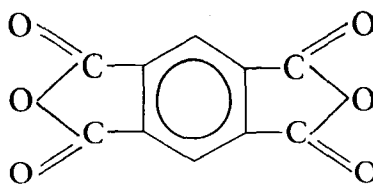


R: 36/37/38-42

S: 22-28

Cas No 89-32-7

No 607-098-00-X



1,2,4,5-Benzentetracarboxylsyredianhydrid

Pyromellitsyredianhydrid

Pyromellitsäuredianhydrid

(1,2,4,5-Benzoltetracarbonsäuredianhydrid)

Benzene-1,2:4,5-tetracarboxylic dianhydride

(Pyromellitic dianhydride)

Dianhydride 1,2:4,5-benzènetétracarboxylique

(Dianhydride pyromellitique)

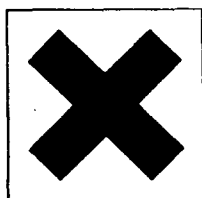
Dianidride dell'acido 1,2,4,5-benzen tetracarbossilico

(Dianidride piromellitica)

1,2,4,5-Benzeentetracarbonzuurdianhydride

(Pyromellietzuurdianhydride)

xi

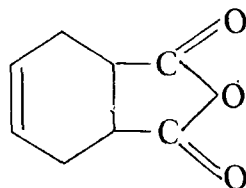


R: 36/37/38

S: 25

Cas No 85-43-8

No 607-099-00-5



4-Cyclohexen-1,2-dicarboxylsyreanhydrid
(Tetrahydrophthalsyreanhydrid)

Tetrahydrophthalsäureanhydrid

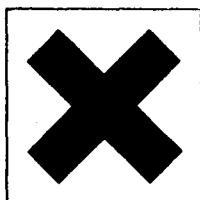
Cyclohex-4-ene-1,2-dicarboxylic anhydride
(Tetrahydrophthalic anhydride)

Anhydride 4-cyclohexène-1,2-dicarboxylique
(Anhydride tétrahydrophthalique)

Anidride tetraidroftalica
(Anidride 4-cicloesen-1,2-dicarbossilica)

4-Cyclohexeen-1,2-dicarbonzuuranhydride
(Tetrahydroftaalzuuranhydride)

xi

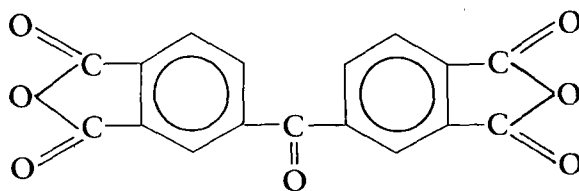


R: 36/37

S: 25

Cas No 2421-28-5

No 607-100-00-9



3,3',4,4'-Benzophenontetracarboxylsyredianhydrid

3,3',4,4'-Benzophenontetracarbonsäuredianhydrid
(4,4'-Carbonyldiphthalsäureanhydrid)

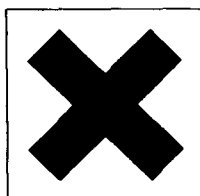
Benzophenone-3,3',4,4'-Tetracarboxylic dianhydride
[4,4'-Carbonyldi(phthalic anhydride)]

Dianhydride de3,4:3',4'-benzophénonetétracarboxylique
(Dianhydride 4,4'-carbonyldiphtalique)

Dianidride 3,3',4,4'-benzofenontetracarbossilica

3,3',4,4'-Benzofenontetracarbonzuurdianhydride

xi

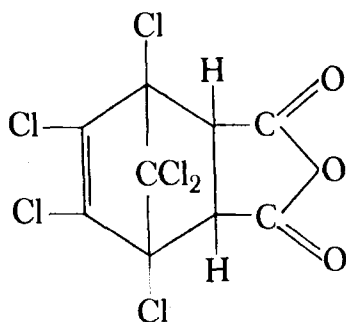


R: 36/37

S: 25

Cas No 115-27-5

No 607-101-00-4



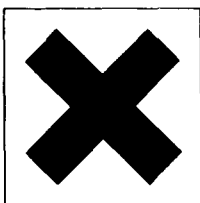
1,4,5,6,7,7-Hexachlorbicyclo-[2.2.1]-hept-5-en-2,3-dicarboxylsyreanhydrid

1,4,5,6,7,7-Hexachlorobicyclo-[2.2.1]-5-hept-5-en-2,3-dicarbonssäureanhydrid

1,4,5,6,7,7-Hexachlorobicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic anhydride
(Chlorendic anhydride)Anhydride 1,4,5,6,7,7-hexachlorobicyclo [2,2,1]-5-heptène-2,3-dicarboxylique
(Anhydride chlorendique)Anidride 1,4,5,6,7,7-esachlorobiciclo [2.2.1]-5-epten-2,3-dicarbossilica
(Anidride clorendica)

2H-3H-Hexachloorbicyclo-[2.2.1]-5hepteen-2,3-dicarbonzuuranhydride

xi

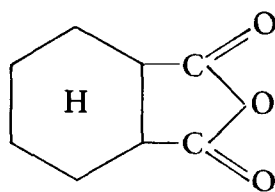


R: 36/37/38

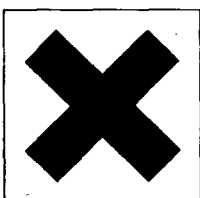
S: 25

Cas No 85-42-7

No 607-102-00-X

1,2-Cyclohexandicarboxylsyreanhydrid
(Hexahydrophthalsyreanhydrid)1,2-Cyclohexandicarbonssäureanhydrid
(Hexahydrophthalsäureanhydrid)Cyclohexane-1,2-dicarboxylic anhydride
(Hexahydrophthalic anhydride)Anhydride 1,2-cyclohexanedicarboxylique
(Anhydride hexahydrophthalique)Anidride 1,2-cicloesandicarbossilica
(Anidride esaidroftalica)1,2-Cyclohexaandicarbonzuuranhydride
(Hexahydroftaalzuuranhydride)

xi

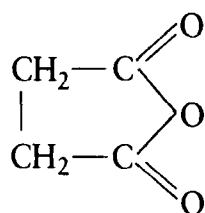


R: 36/37/38

S: 23-39

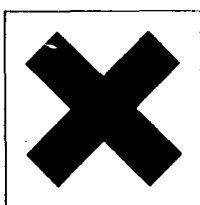
Cas No 108-30-5

No 607-103-00-5



Ravsyreanhydrid
 Bernsteinsäureanhydrid
 Succinic anhydride
 Anhydride succinique
 Anidride succinica
 Barnsteenzuuranhydride

xi

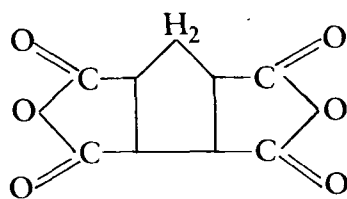


R: 36/37

S: 25

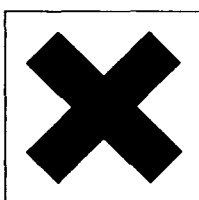
Cas No

No 607-104-00-0



1,2,3,4-Cyclopentantetracarboxylsyredianhydrid
 1,2,3,4-Cyclopentantetracarbonsäuredianhydrid
 Cyclopentane-1,2,3,4-tetracarboxylic dianhydride
 Dianhydride 1,2,3,4-cyclopentanetétracarboxylique
 Dianidride 1,2,3,4-ciclopentan tetracarbossilica
 1,2,3,4-Cyclopentaantetracarbonzuurdianhydride

xi

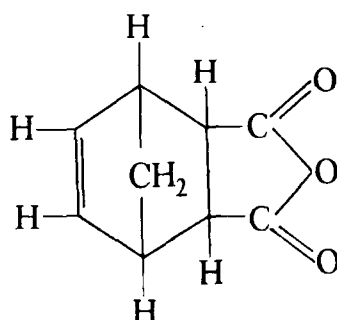


R: 36/37

S: 25

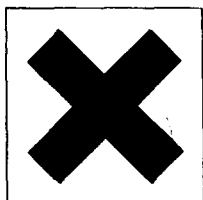
Cas No 129-64-6

No 607-105-00-6



5-Norbornen-2,3-dicarboxylsyreanhydrid
 5-cis-Norbornen-2,3-dicarbonsäureanhydrid
 8,9,10-Trinorborn-5-ene-2,3-dicarboxylic anhydride
 Anhydride 5-norbornène-2,3-dicarboxylique
 Anidride endo-*cis*-biciclo [2,2,1]-5-epten-2,3-dicarbossilica
 5-Norborneen-2,3-dicarbonzuuranhydride

xi

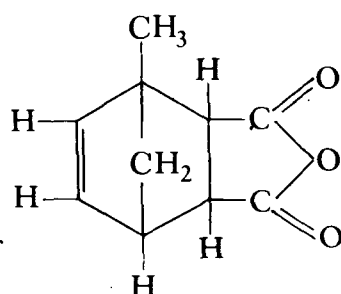


R: 36/37/38

S: 39

Cas No 25134-21-8

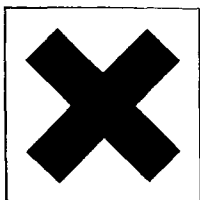
No 607-106-00-1



Nota C

1-Methyl-5-norbornen-2,3-dicarboxylsyreanhydrid
 1-Methyl-5-norbornen-2,3-dicarbonsäureanhydrid
 8,9-Dinorborn-5-ene-2,3-dicarboxylic anhydride
 Anhydride -méthyl-5-norbornène-2,3-dicarboxylique
 Anidride 1-metil-5-norbornen-2,3-dicarbossilica
 1-Methyl-5-norborneen-2,3-dicarbonzuuranhydride

Xn

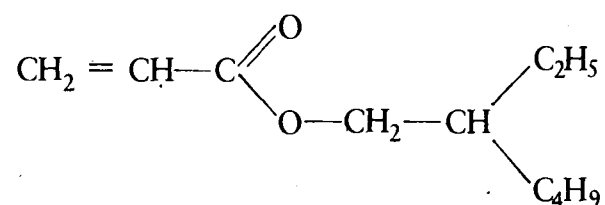


R: 22-36/37/38

S: 39

Cas No 103-11-7

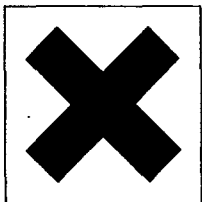
No 607-107-00-7



Nota D

2-Ethylhexylacrylat
 2-Ethylhexylacrylat
 2-Ethylhexyl acrylate
 Acrylate de 2-éthylhexyle
 2-Etilsil acrilato
 2-Ethylhexylacrylaat

Xi

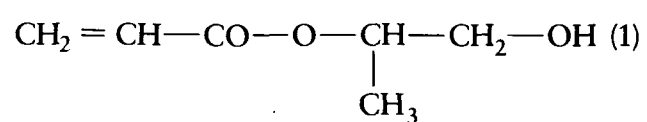


R: 37/38

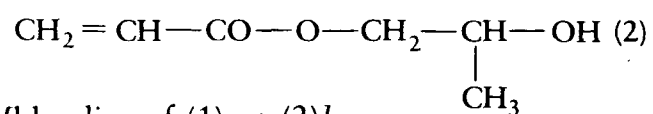
S:

Cas No 999-61-1

No 607-108-00-2



Nota D



Hydroxypropylacrylat [blanding af (1) og (2)]
 Hydroxypropylacrylate [Gemisch (1) und (2)]
 Hydroxypropyl acrylate [mixture of (1) and (2)]
 Acrylate d'hydroxypropyle [mélange (1) et (2)]
 Idrossipropilacrilato [miscela (1) e (2)]
 Hydroxypropylacrylaat [Mengsel (1) en (2)]

T

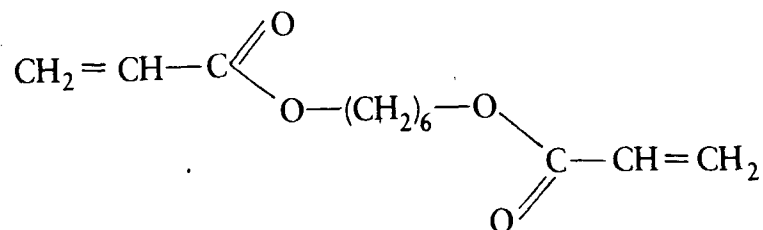


R: 23/24/25-34-43

S: 26-36/39-44

Cas No

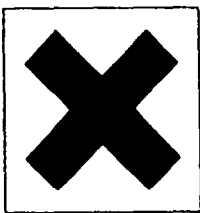
No 607-109-00-8



Nota D

1,6-Hexandioldiacrylat
 1,6-Hexandioldiacrylat
 Hexamethylene diacrylate
 (Hexane-1,6-diol diacrylate)
 Diacrylate d'hexaméthylène
 (Diacrylate de 1,6-hexanediol)
 1,6-Esandioldiacrilato
 1,6-Hexaandioldiacrylaat
 (Hexamethyleendiacylaat)

xi

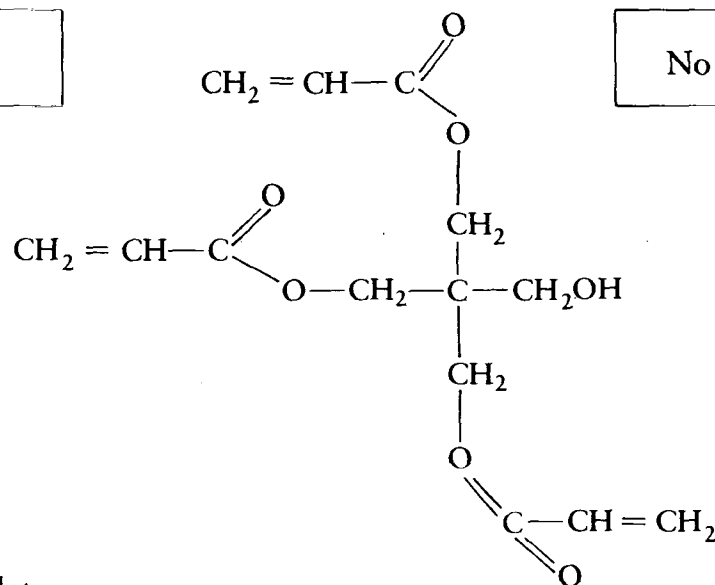


R: 36/38-43

S: 39

Cas No 3524-68-3

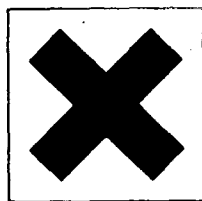
No 607-110-00-3



Nota D

Pentaerythritoltriacylat
 Pentaerythrittriacylat
 Pentaerythritol triacrylate
 Diacrylate de 2-(acryloyloxyméthyl)-2-hydroxyméthyl-1,3-propanediyle
 (Triacrylate de pentaérythritol)
 Pentaeritritol triacrilato
 Pentaerythritoltriacylaat

xi

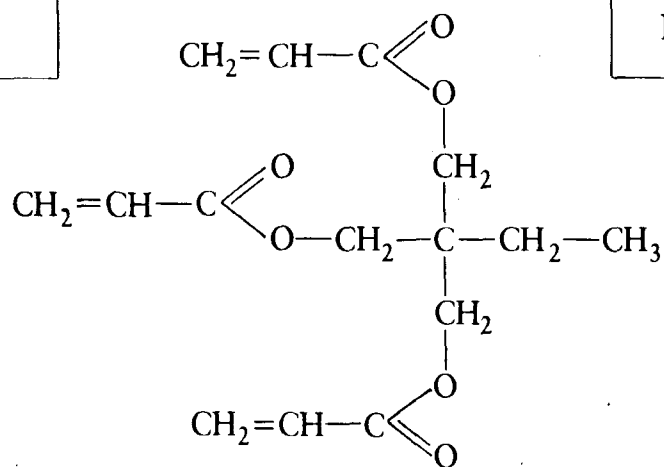


R: 36/38-43

S: 39

Cas No 15625-89-5

No 607-111-00-9



Nota D

1,1,1-Trihydroxymethylpropyltriacylat
(Trimethylolpropantriacylat)

1,1,1-Trihydroxymethylpropyltriacylat
(Trimethylolpropantriacylat)

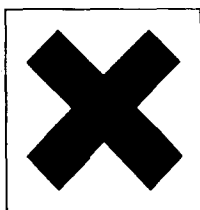
2,2-Bis(acryloyloxymethyl)butyl acrylate
(Trimethylolpropane triacrylate)

Diacrylate de 2-(acryloyloxyméthyl)-2-éthyl-1,3-propanediyle
(Triacrylate de triméthylolpropane)

Trimetilolpropan triacrilato

Trimethylolpropaantriacrylaat

xi

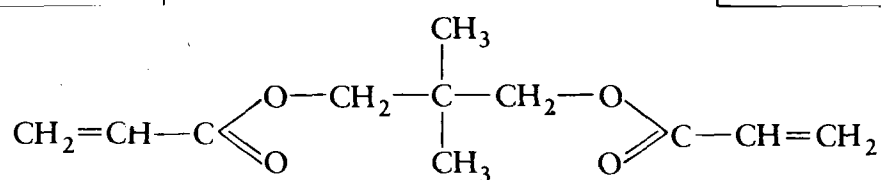


R: 36/38-43

S: 39

Cas No

No 607-112-00-4



Nota D

2,2-Dimethylpropandiol-1,3-diacrylat
(Neopentylglycoldiacrylat)

2,2-Dimethylpropandiol-1,3-diacrylat
(Neopentylglykoldiacrylat)

2,2-Dimethyltrimethylene diacrylate
(Neopentyl glycol diacrylate)

Diacrylate de 2,2-diméthyl-1,3-propanediyle
(Diacrylate de néopentylglycol)

Diacrilato di 2,2-dimetilpropan-1,3-propandiolo

2,2-Dimethylpropaandiol-1,3-diacrylaat
(Neopentylglycoldiacrylaat)

T



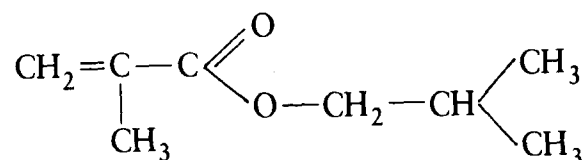
R: 24-36/38-43

S: 28-39-44

Cas No 97-86-9

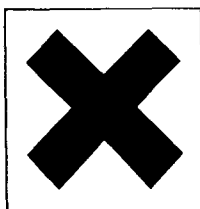
No 607-113-00-X

Nota D



Isobutylmethacrylat
 2-Methylpropylmethacrylat
 Isobutyl methacrylate
 Méthacrylate d'isobutyle
 Isobutil metacrilato
 Isobutylmethacrylaat

xi



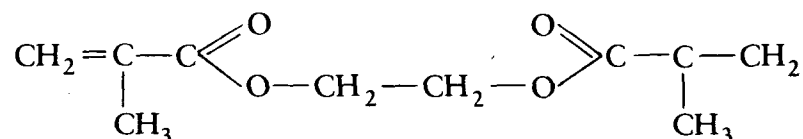
R: 10-36/37/38

S:

Cas No

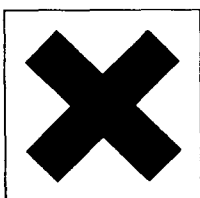
No 607-114-00-5

Nota D



Ethandiol-1,2-dimethacrylat
 (Ethylenglycoldimethacrylat)
 Ethandial-1,2-dimethacrylat
 (Ethylenglykoldimethacrylat)
 Ethylène dimethacrylate
 (Ethylene glycol dimethacrylate)
 Diméthacrylate d'éthylène
 (Diméthacrylate d'éthylène-glycol)
 Etilenglicole dimetacrilato
 Dimethacrylaat van ethyleenglycol
 Dimethacrylaat van ethaandiol

xi

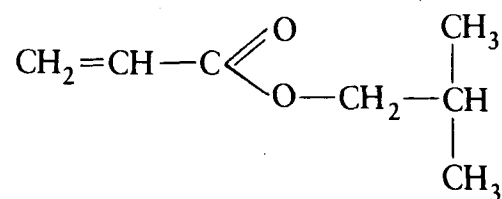


R: 36/37

S:

Cas No 106-63-8

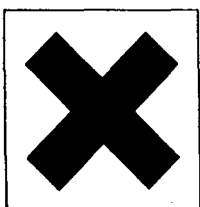
No 607-115-00-0



Nota D

Isobutylacrylat
 2-Methylpropylacrylat
 Isobutyl acrylate
 Acrylate d'isobutyle
 Isobutile acrilato
 Isobutylacrylaat

Xn

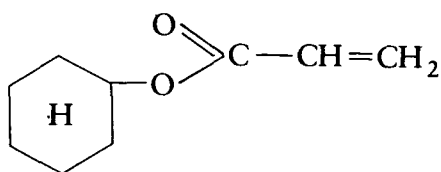


R: 10-20/21-38

S: 9

Cas No 3066-71-5

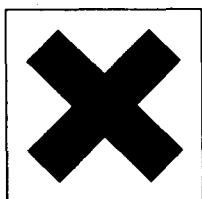
No 607-116-00-6



Nota D

Cyclohexylacrylat
 Cyclohexylacrylat
 Cyclohexyl acrylate
 Acrylate de cyclohexyle
 Cicloesile acrilato
 Cyclohexylacrylaat

Xi

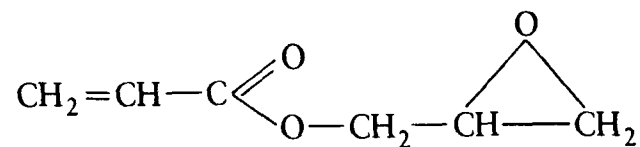


R: 37/38

S:

Cas No 106-90-1

No 607-117-00-1



Nota D

2,3-Epoxypropylacrylat
(Glycidylacrylat)
2,3-Epoxypropylacrylat
(Glycidylacrylat)
2,3-Epoxypropyl acrylate
(Glycidyl acrylate)
Acrylate de 2,3-époxypropyle
(Acrylate de glycidyle)
2,3-Epossipropile acrilato
(Glicidile acrilato)
2,3-Epoxypropylacrylaat
(Glycidylacrylaat)

T

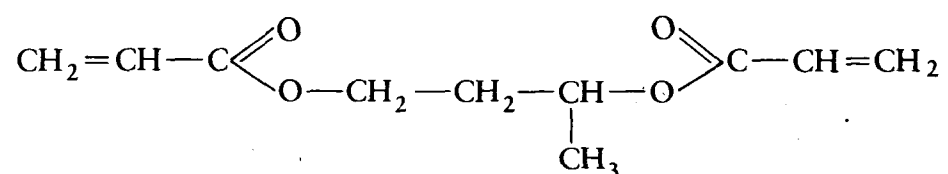


R: 23/24/25-34

S: 26-36/37/39-44

Cas No

No 607-118-00-7



Nota D

1,3-Butandioldiacrylat
(1,3-Butylenglycoldiacrylat)
1,3-Butandioldiacrylat
1-Methyltrimethylene diacrylate
(1,3-Butylene glycol diacrylate)
Diacrylate de 1-méthyl-1,3-propanediyle
(Diacrylate de 1,3-butylèneglycol)
1,3-Butandioldiacrilato
Diacrylaat van 1,3-butaandiol

C



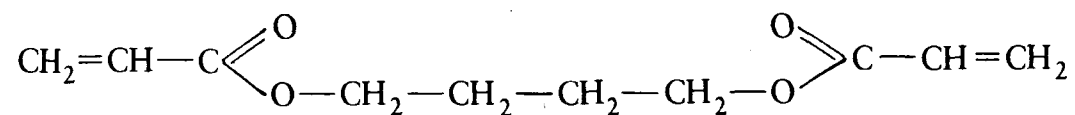
R: 21-34-43

S: 26-36/37/39

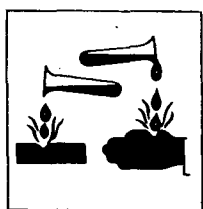
Cas No

No 607-119-00-2

Nota D



1,4-Butandioldiacrylat
 1,4-Butylenglycoldiacrylat
 1,4-Butandioldiacrylat
 Tetramethylene diacrylate
 (1,4-Butyleneglycol diacrylate)
 Diacrylate de tétraméthylène
 (Diacrylate de 1,4-butylèneglycol)
 1,4-Butandiol diacrilato
 Diacrylaat van 1,4-butaandiol
 Diacrylaat van 1,4-butyleenglycol



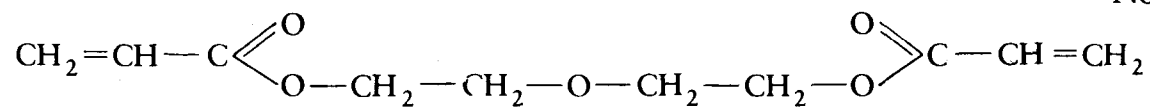
R: 21-34-43

S: 26-36/37/39

Cas No

No 607-120-00-8

Nota D



Diethylenglycoldiacrylat
 Diethylenglykoldiacrylat
 2,2'-Oxydiethyl diacrylate
 (Diethylene glycol diacrylate)
 Diacrylate de 2,2'-oxydiéthyle
 (Diacrylate de diéthylèneglycol)
 Dietileneglicoldiacrilato
 Diacrylaat van diethyleenglycol

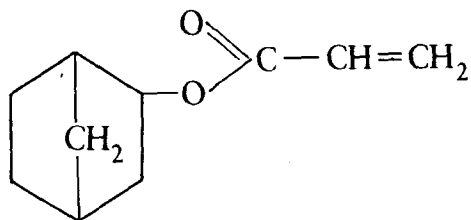


R: 24-36/38

S: 28-39-44

Cas No 10027-06-2

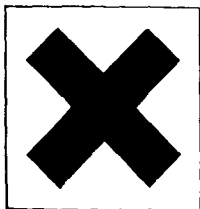
No 607-121-00-3



Nota D

Bicyclo [2,2,1]-2-ylacrylat
 (2-Norbornylacrylat)
 2-Norbornylacrylat
 8,9,10-Trinorborn-2-yl acrylate
 Acrylate de 2-norbornyle
 2-Norbornilacrilato
 2-Norbornylacrylaat

Xn

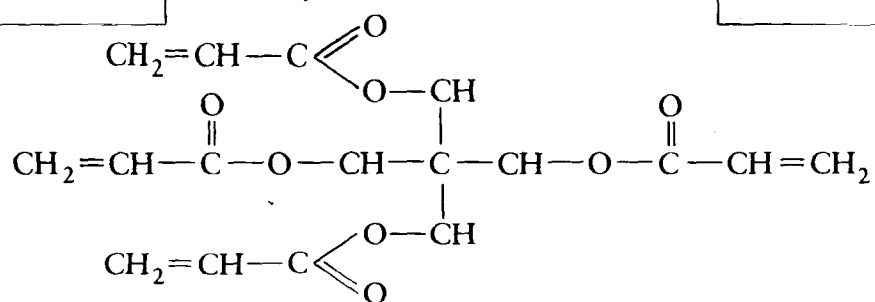


R: 21-38

S: 28

Cas No

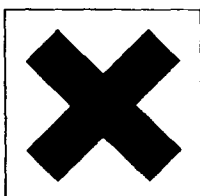
No 607-122-00-9



Nota D

Pentaerythritoltetraacrylat
 Pentaerythrittetraacrylat
 Pentaerythritol tetraacrylate
 Diacrylate de 2,2-bis(acryloyloxyméthyl)-1,3-propanediyle
 (Tétraacrylate de pentaérythritol)
 Pentaeritritol tetraacrilato
 Pentaerythritoltetraacrylaat

Xi

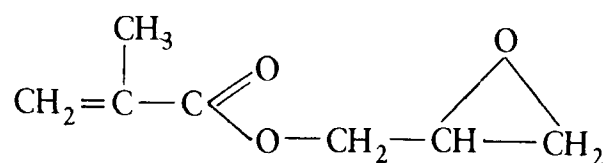


R: 36/38/43

S: 26-39

Cas No 106-91-2

No 607-123-00-4



Nota D

2,3-Epoxypropylmethacrylat
(Glycidylmethacrylat)

2,3-Epoxypropylmethacrylat
(Glycidylmethacrylat)

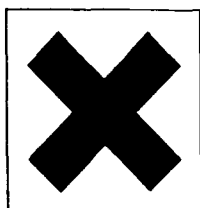
2,3-Epoxypropyl methacrylate
(Glycidyl methacrylate)

Méthacrylate de 2,3-époxypropyle
(Méthacrylate de glycidyle)

2,3-Epossipropile metacrilato
(Glicidil metacrilato)

2,3-Epoxypropylmethacrylaat
(Glycidylmethacrylaat)

Xn

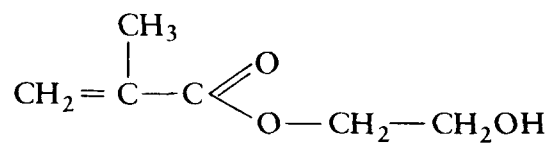


R: 20/21/22-36/38

S: 26-28

Cas No 868-77-9

No 607-124-00-X



Nota D

2-Hydroxyethylmethacrylat

2-Hydroxyethylmethacrylat

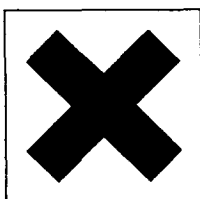
2-Hydroxyethyl methacrylate

Méthacrylate de 2-hydroxyéthyle

2-Idrossietile metacrilato

2-Hydroxyethylmethacrylaat

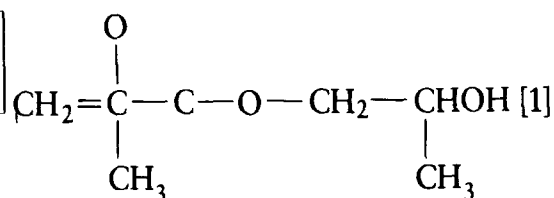
Xi



R: 36/38

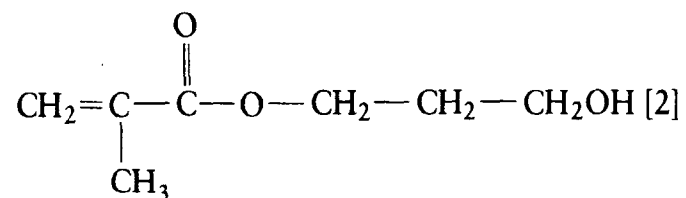
S: 26-28

Cas No



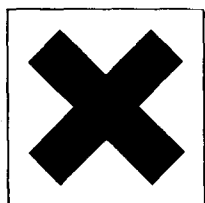
No 607-125-00-5

Nota D



Hydroxypropylmethacrylat (Blanding [1] og [2])
 Hydroxypropylmethacrylat (Mischung [1] und [2])
 Hydroxypropyl methacrylate (Mixture [1] and [2])
 Méthacrylate d'hydroxypropyle (Mélange [1] et [2])
 Idrossipropile metacrilato (Miscela [1] e [2])
 3-Hydroxypropylmethacrylaat (Mengsel [1] en [2])

xi



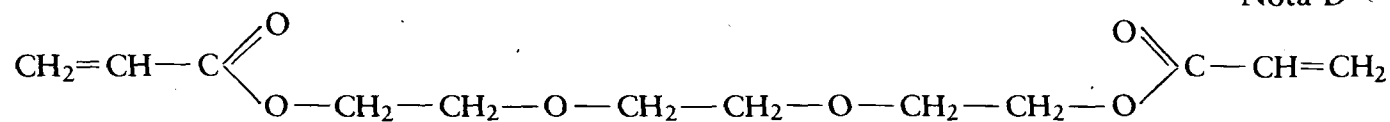
R: 36/38

S: 26-28

Cas No

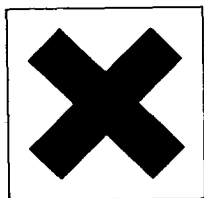
No 607-126-00-0

Nota D



Triethylenglycoldiacrylat
 Triethylenglykoldiacrylat
 2,2'-(Ethylenedioxy)diethyl diacrylate
 (Triethylene glycol diacrylate)
 Diacrylate de 2,2'-(éthylènedioxy)diéthyle
 (Diacrylate de triéthylène glycol)
 Trietilen glicole diacrilato
 Diacrylaat van triethyleenglycol

xi

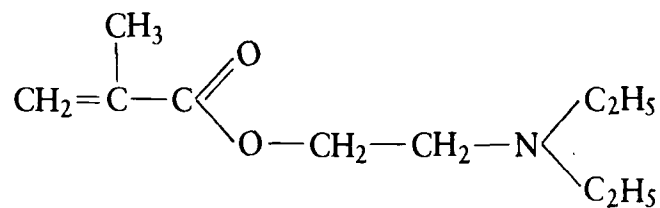


R: 36/38

S: 26-28

Cas No

No 607-127-00-6



Nota D

2-Diethylaminoethylmethacrylat

2-Diethylaminoethylmethacrylat

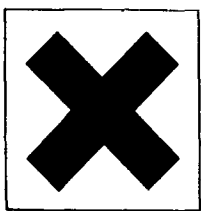
2-Diethylaminoethyl methacrylate

Méthacrylate de 2-diéthylaminoéthyle

Metacrilato di 2-dietilamino etile

2-Diethylaminoethylmethacrylaat

Xn

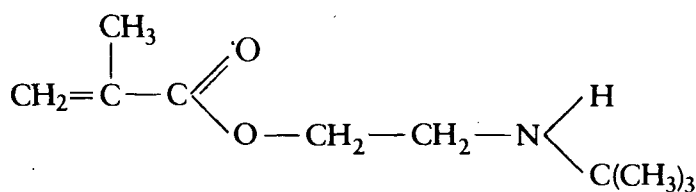


R: 20-36/38

S: 26

Cas No 3775-90-4

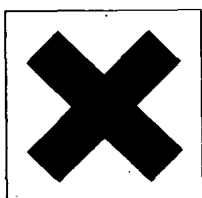
No 607-128-00-1



Nota D

2-*tert*-Butylaminoethylmethacrylat2-*tert*-Butylaminoethylmethacrylat2-*tert*-Butylaminoethyl methacrylateMéthacrylate de 2-*tert*-butylaminoéthyle2-*tert*-Butilaminoetile metacrilato2-*tert*-Butylaminoethylmethacrylaat

Xi

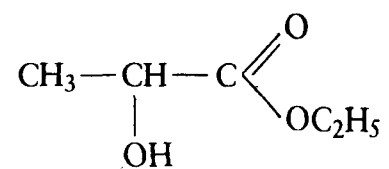


R: 36/38

S: 26

Cas No 97-64-3

No 607-129-00-7



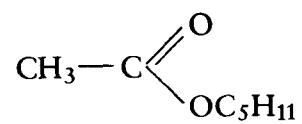
Ethyllactat
Ethyllaktat
Ethyl lactate
Lactate d'éthyle
Etil lattato
Ethyllactaat

R: 10

S: 23

Cas No 628-63-7

No 607-130-00-2



Nota C

Pentylacetat (Amylacetat)
Pentylacetat (Amylacetat)
Pentyl acetate (Amyl acetate)
Acétate de pentyle (Acétate d'amyle)
Amile acetato
Pentylacetaat (Amylacetaat)

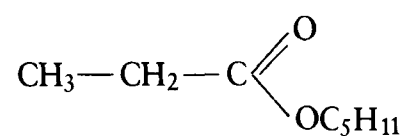
R: 10

S: 23

Cas No 624-54-4

No 607-131-00-8

Nota C



Pentylpropionat (Amylpropionat)

Amylpropionate

Pentyl propionate (Amyl propionate)

Propionate de pentyle (Propionate d'amyle)

Amile propionato

Amylpropionaat

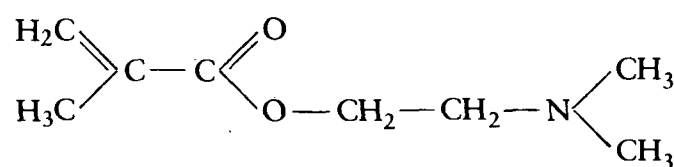
R: 10

S: 23

Cas No 2867-47-2

No 607-132-00-3

Nota D



2-Dimethylaminoethylmethacrylat

2-Dimethylaminoethylmethacrylat

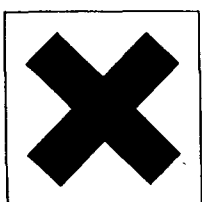
2-Dimethylaminoethyl methacrylate

Méthacrylate de 2-diméthylaminoéthyle

2-Dimetilaminoetil metacrilato

2-Dimethylaminoethylmethacrylaat

Xn

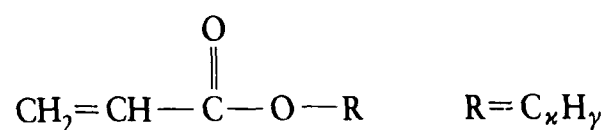


R: 21/22-36/38

S: 26-28

Cas No

No 607-133-00-9



Acrylater undtagen sådanne nævnt andetsteds i dette bilag

Acrylate mit Ausnahme der namentlich in dieser Anlage bezeichneten

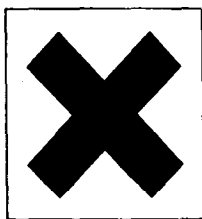
Acrylate with the exception of those specified elsewhere in this Annex

Acrylates à l'exclusion de ceux nommément désignés dans cette annexe

Acrilati esclusi quelli espressamente indicati in questo allegato

Acrylaten met uitzondering van deze met name genoemd in deze bijlage

Xi

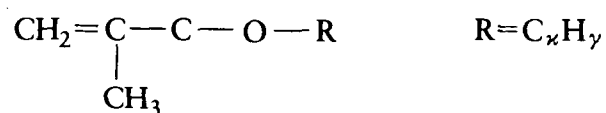


R: 36/37/38

S: 26-28

Cas No

No/607-134-00-4



Methacrylater undtagen sådanne nævnt andetsteds i dette bilag

Methacrylate mit Ausnahme der namentlich in dieser Anlage bezeichneten

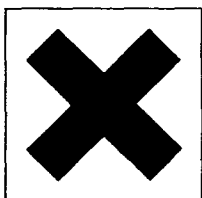
Methacrylate with the exception of those specified elsewhere in this Annex

Méthacrylates à l'exclusion de ceux nommément désignés dans cette annexe

Metacrilati esclusi quelli espressamente indicati in questo allegato

Methacrylaten met uitzondering van deze met name genoemd in deze bijlage

Xi



R: 36/37/38

S: 26-28

Cas No 109-77-3

No 608-009-00-7



Malonnitril
Malonsäuredinitril
Malononitrile
Malononitrile
Malononitrile
Malonnitril

T



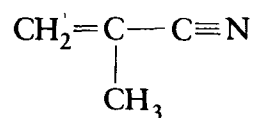
R: 23/24/25

S: 23-27

Cas No 126-98-7

No 608-010-00-2

Nota D



2-Methyl-2-propennitril (Methacrylnitril)
Methacrylnitril (2-Methyl-2-propennitril)
Methacrylonitrile (2-Methyl-2-propene nitrile)
Méthacrylonitrile
2-Metil-2-propene nitrile (Metacrilonitrile)
2-Methyl-2-propeennitril

F



T

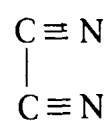


R: 11-23/24/25

S: 9-16-18-29-45

Cas No 460-19-5

No 608-011-00-8



Dicyan
Oxalsäuredinitril (Dicyan)
Cyanogen
Oxalonitrile (Cyanogène)
Cianogeno
Cyanogeen

F



T



R: 11-23

S: 23-44

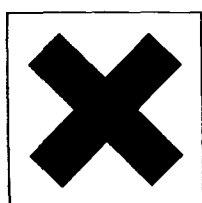
Cas No 79-24-3

No 609-035-00-1



Nitroethan
Nitroethan
Nitroethane
Nitroéthane
Nitroetano
Nitroethaan

Xn

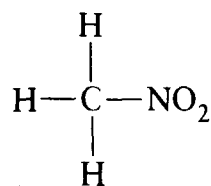


R: 10-20/22

S: 9-25-41

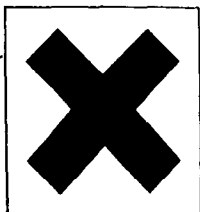
Cas No 75-52-5

No 609-036-00-7



Nitromethan
Nitromethan
Nitromethane
Nitrométhane
Nitrometano
Nitromethaan

Xn

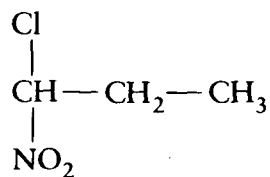


R: 5-10-22

S: 41

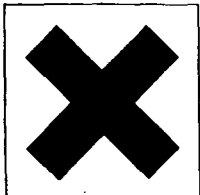
Cas No 600-25-9

No 610-007-00-6



1-Chlor-1-nitropropan
1-Chlor-1-nitropropan
1-Chloro-1-nitropropane
1-Chloro-1-nitropropane
1-Cloro-1-nitropropano
1-Chloor-1-nitropropaan

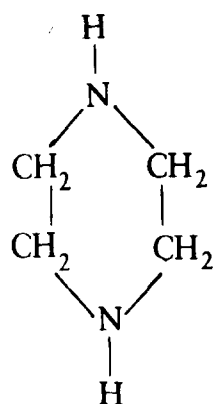
Xn



R: 20/22

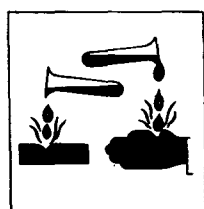
S:

Cas No 110-85-0



No 612-057-00-4

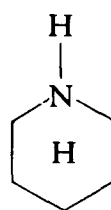
Piperazin
Piperazin
Piperazine
Pipérazine
Piperazina
Piperazine



R: 34

S: 26-36

Cas No 110-89-4



No 613-027-00-3

Piperidin
Piperidin
Piperidine
Pipéridine
Piperidina
Piperidine

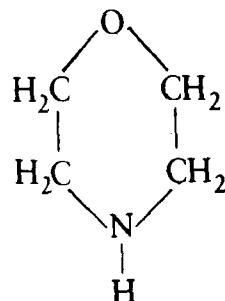


R: 11-23/24-34

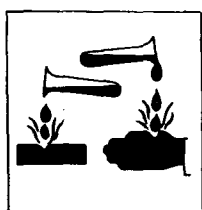
S: 16-26-27-44

Cas No 110-91-8

No 613-028-00-9



Morpholin
 Morpholin
 Morpholine
 Morpholine
 Morfolina
 Morfoline

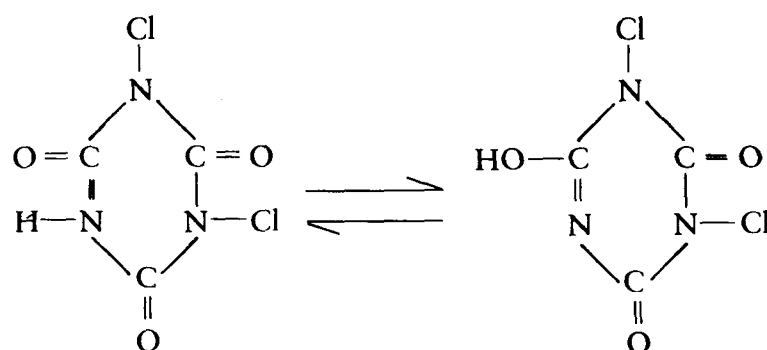


R: 10-20/21/22-34

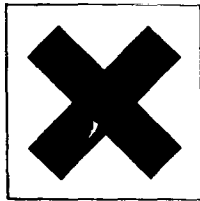
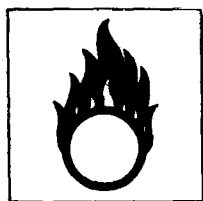
S: 23-36

Cas No 2782-57-2

No 613-029-00-4



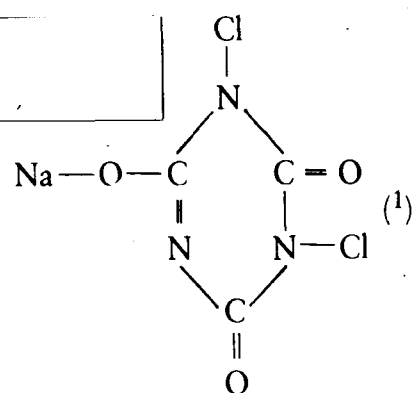
Dichlorisocyanursyre
 Dichlorisocyanursäure
 (1,3-Dichlor-5H-(1,3,5)-triazin-2,4,6-trion)
 Dichloroisocyanuric acid (Dichloro-1,3,5-triazinetriene)
 1,3-Dichloro-S-triazine-2,4,6-trione
 (Acide dichloroisocyanurique)
 Acido dicloroisocianurico
 Dichloorisocyanuurzuur



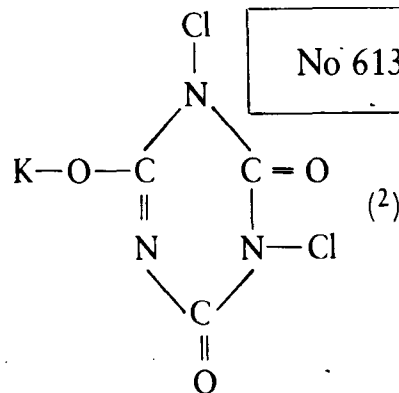
R: 8-22-31-36/37

S: 8-26-41

Cas No



No 613-030-00-X

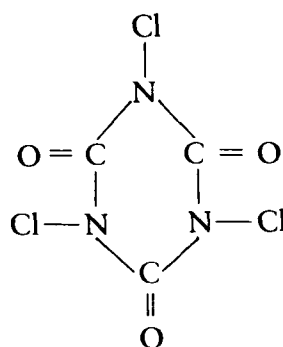
Natriumsalt af dichlorisocyanursyre ⁽¹⁾Kaliumsalt af dichlorisocyanursyre ⁽²⁾Dichlorisocyanursäure, Natriumsalz ⁽¹⁾/1,3-Dichlor-5H-(1,3,5)-triazin-2,4,6-trion, Natriumsalz/ ⁽¹⁾Dichlorisocyanursäure, Kaliumsalt ⁽²⁾/1,3-Dichlor-5H-(1,3,5)-triazin-2,4,6-trion, Kaliumsalt/ ⁽²⁾Sodium salt of dichloroisocyanuric acid ⁽¹⁾(Dichloro-1,3,5-triazinetriene; sodium salt) ⁽¹⁾Potassium salt of dichloroisocyanuric acid ⁽²⁾(Dichloro-1,3,5-triazinetriene; potassium salt) ⁽²⁾Sel de sodium de l'acide dichloroisocyanurique ⁽¹⁾Sel de potassium de l'acide dichloroisocyanurique ⁽²⁾Sale di sodio dell'acido dicloroisocianurico ⁽¹⁾Sale di potassio dell'acido dicloroisocianurico ⁽²⁾Natriumzout van dichloorisocyanuurzuur ⁽¹⁾Kaliumzout van dichloorisocyanuurzuur ⁽²⁾

O	Xn

R: 8-22-31-36/37

S: 8-26-41

Cas No 87-90-1



No 613-031-00-5

Trichlorisocyanursyre

Trichlorisocyanursäure

(1,3,5-Trichlor-1,3,5-triazin-2,4,6-trion)

Trichloroisocyanuric acid

(Trichloro-1,3,5-triazinetriene)

Trichloro-s-triazine-2,4,6-trione

(Acide trichloroisocyanurique)

Tricloro-s-triazina-2,4,6-trione

(Acido tricloroisocianurico)

Trichloorisocyanuurzuur

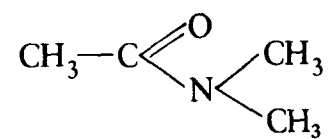
O	Xn

R: 8-22-31-36/37

S: 8-26-41

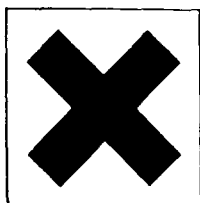
Cas No 127-19-5

No 616-011-00-4



N,N-Dimethylacetamid
N,N-Dimethylacetamid
N,N-Dimethylacetamide
N,N-Diméthylacétamide
N,N-Dimetilacetammide
N,N-Dimethylaceetamide

Xn



R: 20/21-36

S: 26-28-36