

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## APHOX

Version 15.0	Revision Date: 24.04.2017	SDS Number: S160243586	This version replaces all previous versions.
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name	: APHOX
Design code	: A10788A

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture	: Insecticide
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#### 1.3 Details of the supplier of the safety data sheet

Company	: Syngenta SA (Pty) Ltd P.O. Box 1044, No. 4 Krokodildrift Avenue Brits 0250 South Africa
Telephone	: +27 12 250 6300
Telefax	: +27 12 250 3125
E-mail address	: sds.ch@syngenta.com

#### 1.4 Emergency telephone number

Emergency telephone number	: +27 (0) 82 446 8946 (Griffon)
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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 3	H301: Toxic if swallowed.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Acute aquatic toxicity, Category 1	H400: Very toxic to aquatic life.
Chronic aquatic toxicity, Category 1	H410: Very toxic to aquatic life with long lasting effects.

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### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements :  
H301 Toxic if swallowed.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H351 Suspected of causing cancer.  
H410 Very toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements :  
EUH401 To avoid risks to human health and the environment, comply with the instructions for use.  
EUH208 Contains pirimicarb. May produce an allergic reaction.

Precautionary statements :  
**Prevention:**  
P201 Obtain special instructions before use.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Hazardous components which must be listed on the label:  
pirimicarb (ISO)

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

This product contains an anticholinesterase compound. Do not use if under medical advice not to work with such compounds.

May form flammable dust-air mixture.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Chemical name	CAS-No. EC-No. Index-No.	Classification	Concentration (% w/w)

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	Registration number		
pirimicarb (ISO)	23103-98-2 245-430-1 006-035-00-8	Acute Tox. 3; H301 Acute Tox. 3; H331 Skin Sens. 1; H317 Carc. 2; H351 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 50 - < 70
sodium; 1,2-bis-(2-ethyl-hexyloxycarbonyl)-ethanesulfonate	577-11-7 209-406-4 01-2119491296-29	Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 1 - < 3

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.
- If inhaled : Move the victim to fresh air.  
If breathing is irregular or stopped, administer artificial respiration.  
Keep patient warm and at rest.  
Call a physician or poison control centre immediately.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash off immediately with plenty of water.  
If skin irritation persists, call a physician.  
Wash contaminated clothing before re-use.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses.  
Immediate medical attention is required.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label.  
Do NOT induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Poisoning produces effects associated with anticholinesterase activity which may include:  
Nausea  
Diarrhoea  
Vomiting

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Consider taking venous blood for determination of blood

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cholinesterase activity (use heparin tube)  
Administer atropine sulphate as antidote.  
Since there is no therapeutic effect, the use of oxime preparations (or other cholinesterase reactivators) is contraindicated.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Extinguishing media - small fires  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Extinguishing media - large fires  
Alcohol-resistant foam  
or  
Water spray

Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Fire will spread by burning with a visible flame.  
As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).  
Exposure to decomposition products may be a hazard to health.

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.

Further information : Do not allow run-off from fire fighting to enter drains or water courses.  
Cool closed containers exposed to fire with water spray.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Refer to protective measures listed in sections 7 and 8.  
Avoid dust formation.

#### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).  
Do not create a powder cloud by using a brush or compressed air.  
Clean contaminated surface thoroughly.  
Clean with detergents. Avoid solvents.  
Retain and dispose of contaminated wash water.

### 6.4 Reference to other sections

For disposal considerations see section 13., Refer to protective measures listed in sections 7 and 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : This material is capable of forming flammable dust clouds in air, which, if ignited, can produce a dust cloud explosion. Flames, hot surfaces, mechanical sparks and electrostatic discharges can serve as ignition sources for this material. Electrical equipment should be compatible with the flammability characteristics of this material. The flammability characteristics will be made worse if the material contains traces of flammable solvents or is handled in the presence of flammable solvents.

This material can become readily charged in most operations.

Avoid contact with skin and eyes.  
When using do not eat, drink or smoke.  
For personal protection see section 8.

Dust explosion class : May form flammable dust-air mixture.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.

Other data : Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

### 7.3 Specific end use(s)

Specific use(s) : For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
pirimicarb (ISO)	23103-98-2	TWA	1 mg/m <sup>3</sup>	Syngenta
talc	14807-96-6	TWA (alveolate dust)	2 mg/m <sup>3</sup>	CH SUVA
Further information	In case of quarz or asbestos contents, the corresponding MAC-values are to be used, Occupational Safety and Health Administration, Harm to the unborn child is not to be expected when the OEL-value is respected			
magnesium carbonate	546-93-0	TWA (alveolate dust)	3 mg/m <sup>3</sup>	CH SUVA
Further information	<b>Inert dusts, general dust limit value; dusts are, according to present knowledge, being regarded as inert, when they are not resorbed and do not provoke an increased generation of connective tissue (fibrogenic action) and which do not provoke specific symptoms. As such dusts can influence the function of the airways by mechanical irritation, a limit value of 3 mg/m<sup>3</sup> applies for respirable dust, measured according to EN 481, and a limit value of 10 mg/m<sup>3</sup> for inhalable dust., See Annex 1.8.2: Inert dusts, general dust value</b> Inert dusts are dusts that, up to present knowledge, are not resorbed, nor lead to fibrogenic action in the lungs and that do not provoke disease symptoms. Because inert dusts can lead to mechanical irritation of the respiratory system, a limit value of 3 mg/m <sup>3</sup> (alveolate dust), measured according to EN 481, and 10 mg/m <sup>3</sup> for inhalable dust applies. The limit value for inert dust only applies if no addition occurs of harmful substances like asbest, quarz etc. As inert dusts are known, e.g.: Aluminium oxide (Alundum and Corundum), Calcium carbonate (Chalk), Calcium sulphate (Gypsum), Magnesium carbonate (Magnesite), Silicium carbide (Carborundum), Starch, Titanium dioxide, Cellulose, Tin dioxide. The concentration of not inert dusts in the respiratory air, for which no limit value has been established yet, should never exceed the concentration of the inert dust.			

#### 8.2 Exposure controls

##### Engineering measures

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.

The extent of these protection measures depends on the actual risks in use.

Maintain air concentrations below occupational exposure standards.  
Where necessary, seek additional occupational hygiene advice.

##### Personal protective equipment

Eye protection : Tightly fitting safety goggles  
Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.

Use eye protection according to EN 166.

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### Hand protection

Material	: Nitrile rubber
Break through time	: > 480 min
Glove thickness	: 0.5 mm

Remarks	: Wear protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
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Skin and body protection	: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Remove and wash contaminated clothing before re-use. Wear as appropriate: Dust impervious protective suit
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Respiratory protection	: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Suitable respiratory equipment: Respirator with a half face mask The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
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Use only respiratory protection equipment with CE-symbol including four digit test number.

Filter type	: Particulates type (P)
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Protective measures	: The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice.
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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance	:	granules
Colour	:	blue green to green
Odour	:	weak
pH	:	7 - 11 Concentration: 1 % w/v
<b>Melting point/range</b>	:	89 °C
Flammability (solid, gas)	:	Not classified as a flammability hazard
Burning number	:	5 (20 °C) 5 (100 °C)
Density	:	> 0.4 - < 0.6 g/ml
Bulk density	:	0.4 - 0.6 g/cm <sup>3</sup>
Solubility(ies)	:	
Solubility in other solvents	:	soluble Solvent: Water
Auto-ignition temperature	:	245 °C
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

#### 9.2 Other information

Dust explosion class	:	May form flammable dust-air mixture.
Minimum ignition energy	:	> 1,000 mJ

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

None reasonably foreseeable.

#### 10.2 Chemical stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions	:	No dangerous reaction known under conditions of normal use.
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#### 10.4 Conditions to avoid

Conditions to avoid	:	No decomposition if used as directed.
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### 10.5 Incompatible materials

Materials to avoid : None known.

### 10.6 Hazardous decomposition products

Combustion or thermal decomposition will evolve toxic and irritant vapours.

Carbon monoxide

Carbon dioxide (CO<sub>2</sub>)

Nitrogen oxides (NO<sub>x</sub>)

Sulphur oxides

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

Acute oral toxicity : LD50 (Rat, male and female): 87 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): 1.41 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

##### Components:

##### pirimicarb (ISO):

Acute oral toxicity : LD50 (Rat, male): 152 mg/kg  
LD50 (Rat, female): 142 mg/kg

Acute inhalation toxicity : LC50 (Rat, female): 0.858 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
LC50 (Rat, male): 0.948 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

#### Skin corrosion/irritation

##### Product:

Species: Rabbit

Result: No skin irritation

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### Components:

#### **pirimicarb (ISO):**

Species: Rabbit

Result: No skin irritation

#### **sodium; 1,2-bis-(2-ethyl-hexyloxycarbonyl)-ethanesulfonate:**

Result: Irritating to skin.

### **Serious eye damage/eye irritation**

#### Product:

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days

### Components:

#### **pirimicarb (ISO):**

Species: Rabbit

Result: No eye irritation

#### **sodium; 1,2-bis-(2-ethyl-hexyloxycarbonyl)-ethanesulfonate:**

Result: Irreversible effects on the eye

### **Respiratory or skin sensitisation**

#### Product:

Test Type: Buehler Test

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

### Components:

#### **pirimicarb (ISO):**

Species: Guinea pig

Result: May cause sensitisation by skin contact.

### **Germ cell mutagenicity**

#### Components:

#### **pirimicarb (ISO):**

Germ cell mutagenicity-  
Assessment

: Weight of evidence does not support classification as a germ cell mutagen.

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### Carcinogenicity

#### Components:

##### **pirimicarb (ISO):**

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

### Reproductive toxicity

#### Components:

##### **pirimicarb (ISO):**

Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility.  
Animal testing did not show any effects on foetal development.

### STOT - single exposure

#### Components:

##### **pirimicarb (ISO):**

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

### Repeated dose toxicity

#### Components:

##### **pirimicarb (ISO):**

Remarks: No adverse effect has been observed in chronic toxicity tests.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 78 mg/l  
Exposure time: 96 h  
Remarks: Based on test results obtained with similar product.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.046 mg/l  
Exposure time: 48 h

#### **Ecotoxicology Assessment**

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.,  
Classification of the product is based on the summation of the concentrations of classified components.

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### Components:

#### **pirimicarb (ISO):**

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 79 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0.017 mg/l Exposure time: 48 h
Toxicity to algae	:	ErC50 (Pseudokirchneriella subcapitata (green algae)): 180 mg/l Exposure time: 96 h  NOEC (Pseudokirchneriella subcapitata (green algae)): 180 mg/l Exposure time: 96 h
M-Factor (Acute aquatic toxicity)	:	10
Toxicity to fish (Chronic toxicity)	:	NOEC: 18 mg/l Exposure time: 28 d Species: Oncorhynchus mykiss (rainbow trout)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 0.0009 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)
M-Factor (Chronic aquatic toxicity)	:	100

## 12.2 Persistence and degradability

### Components:

#### **pirimicarb (ISO):**

Stability in water	:	Degradation half life: 36 - 55 d Remarks: Product is not persistent.
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## 12.3 Bioaccumulative potential

### Components:

#### **pirimicarb (ISO):**

Bioaccumulation	:	Remarks: Does not bioaccumulate.
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## 12.4 Mobility in soil

### Components:

#### **pirimicarb (ISO):**

Distribution among environmental compartments	:	Remarks: Moderately mobile in soils
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Stability in soil : Percentage dissipation: 50 % (DT50: 29 - 365 d)  
Remarks: Product is not persistent.

### 12.5 Results of PBT and vPvB assessment

#### **Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

#### **Components:**

##### **pirimicarb (ISO):**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB)..

### 12.6 Other adverse effects

#### **Product:**

Additional ecological information : Classification of the product is based on the summation of the concentrations of classified components.

#### **Components:**

##### **pirimicarb (ISO):**

Additional ecological information : No data available

##### **sodium; 1,2-bis-(2-ethyl-hexyloxycarbonyl)-ethanesulfonate:**

Additional ecological information : No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not dispose of waste into sewer.  
Where possible recycling is preferred to disposal or incineration.  
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.  
Triple rinse containers.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

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Do not re-use empty containers.

### SECTION 14: Transport information

#### 14.1 UN number

ADN	: UN 2757
ADR	: UN 2757
RID	: UN 2757
IMDG	: UN 2757
IATA	: UN 2757

#### 14.2 UN proper shipping name

ADN	: CARBAMATE PESTICIDE, SOLID, TOXIC (PIRIMICARB)
ADR	: CARBAMATE PESTICIDE, SOLID, TOXIC (PIRIMICARB)
RID	: CARBAMATE PESTICIDE, SOLID, TOXIC (PIRIMICARB)
IMDG	: CARBAMATE PESTICIDE, SOLID, TOXIC (PIRIMICARB)
IATA	: Carbamate pesticide, solid, toxic (PIRIMICARB)

#### 14.3 Transport hazard class(es)

ADN	: 6.1
ADR	: 6.1
RID	: 6.1
IMDG	: 6.1
IATA	: 6.1

#### 14.4 Packing group

ADN	
Packing group	: III
Classification Code	: T7
Hazard Identification Number	: 60
Labels	: 6.1
ADR	
Packing group	: III
Classification Code	: T7
Hazard Identification Number	: 60
Labels	: 6.1
Tunnel restriction code	: (E)
RID	
Packing group	: III

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Classification Code : T7  
Hazard Identification Number : 60  
Labels : 6.1

### IMDG

Packing group : III  
Labels : 6.1

### IATA (Cargo)

Packing instruction (cargo aircraft) : 677  
Packing instruction (LQ) : Y645  
Packing group : III  
Labels : Toxic

### IATA (Passenger)

Packing instruction (passenger aircraft) : 670  
Packing instruction (LQ) : Y645  
Packing group : III  
Labels : Toxic

## 14.5 Environmental hazards

### ADN

Environmentally hazardous : yes

### ADR

Environmentally hazardous : yes

### RID

Environmentally hazardous : yes

### IMDG

Marine pollutant : yes

## 14.6 Special precautions for user

Not applicable

## 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

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Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E1	ENVIRONMENTAL HAZARDS	Quantity 1 100 t	Quantity 2 200 t
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Other regulations:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Maternity Protection Ordinance (SR 822.111.52): Pregnant women and nursing mothers are only allowed to come in contact or get exposed to this product at their place of work, if it is established on the basis of a risk assessment by an expert, that in the context of the activities and the protective measures taken, exposure leads to no harm of mother and child.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

Youth Employment Protection Regulation (ArGV 5, SR 822 115): Adolescents up to completion of their 18th year are only allowed to come in contact or get exposed to this product at their place of work if the Federal Office for Professional Education and Technology (BBT) or the State Secretariat for Economic Affairs (SECO ) has granted an exemption.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

## SECTION 16: Other information

### Full text of H-Statements

H301	: Toxic if swallowed.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H331	: Toxic if inhaled.
H351	: Suspected of causing cancer.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Acute aquatic toxicity
Aquatic Chronic	: Chronic aquatic toxicity
Carc.	: Carcinogenicity
Eye Dam.	: Serious eye damage
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation



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ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Acute Tox. 3	H301
Acute Tox. 4	H332
Eye Irrit. 2	H319
Carc. 2	H351
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

#### Classification procedure:

Based on product data or assessment
Based on product data or assessment
Based on product data or assessment
Calculation method
Based on product data or assessment
Based on product data or assessment

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