

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## UNIX

Version 13.0      Revision Date: 14.12.2021      SDS Number: S11306235      This version replaces all previous versions.

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : UNIX  
Design code : A8779A  
Product Registration Number : MAPP 14846

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

Use of the Substance/Mixture : Fungicide  
Recommended restrictions on use : professional use

#### 1.3 Details of the supplier of the safety data sheet

Company : Syngenta UK Limited  
CPC4, Capital Park  
Fulbourn, Cambridge CB21 5XE  
United Kingdom  
Telephone : +44 (0) 1223 883400  
Telefax : +44 (0) 1223 882195  
E-mail address of person responsible for the SDS : customer.services@syngenta.com

#### 1.4 Emergency telephone number

Emergency telephone number : +44 1484 538444

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Short-term (acute) aquatic hazard, Category 1      H400: Very toxic to aquatic life.  
Long-term (chronic) aquatic hazard, 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) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Hazard pictograms : 

Signal word : Warning

Hazard statements : H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : P102 Keep out of reach of children.

**Response:**

P391 Collect spillage.

**Disposal:**

P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty triple rinsed clean containers which can be disposed of as non-hazardous waste.

### Additional Labelling

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

EUH208 Contains cyprodinil (ISO).  
May produce an allergic reaction.

### 2.3 Other hazards

This substance/mixture contains components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).  
May form combustible dust concentrations in air.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
cyprodinil (ISO)	121552-61-2 612-242-00-X	Skin Sens. 1; H317 Aquatic Acute 1; H400	>= 70 - < 90

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		Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10010 M-Factor (Chronic aquatic toxicity): 1010	
reaction product of naphthalene, butanol, sulfonated and neutralized by caustic soda	Not Assigned 01-2119980979-09	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Dam. 1; H318 STOT SE 3; H335 (Respiratory system)	$\geq 1 - < 3$
octamethylcyclotetrasiloxane [D4]	556-67-2 209-136-7 014-018-00-1 01-2119529238-36	Flam. Liq. 3; H226 Repr. 2; H361f Aquatic Chronic 1; H410 M-Factor (Chronic aquatic toxicity): 10	$\geq 0.025 - < 0.1$
PBT and vPvB substance :			
Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl-	541-02-6 208-764-9 01-2119511367-43		$\geq 0.1 - < 1$
Substances with a workplace exposure limit :			
kaolin	1332-58-7 296-473-8		$\geq 1 - < 10$

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.

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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 : Nonspecific  
No symptoms known or expected.

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

Treatment : There is no specific antidote available.  
Treat symptomatically.

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## 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 : 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.

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Cool closed containers exposed to fire with water spray.

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### 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.

#### 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.

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### 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.

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

#### 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

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from food, drink and animal feedingstuffs.

### 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.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
cyprodinil (ISO)	121552-61-2	TWA	5 mg/m <sup>3</sup>	Syngenta
kaolin	1332-58-7	TWA (Respirable dust)	2 mg/m <sup>3</sup>	GB EH40
		TWA (Respirable dust)	0.1 mg/m <sup>3</sup>	2004/37/EC
Further information: Carcinogens or mutagens				

#### Derived No Effect Level (DNEL):

Substance name	End Use	Exposure routes	Potential health effects	Value
sodium sulphate	Workers	Inhalation	Systemic effects	20 mg/m <sup>3</sup>
	Workers	Inhalation	Local effects	20 mg/m <sup>3</sup>
	Consumers	Inhalation	Systemic effects	12 mg/m <sup>3</sup>
	Consumers	Inhalation	Local effects	12 mg/m <sup>3</sup>
octamethylcyclotetrasiloxane [D4]	Workers	Inhalation	Acute systemic effects	73 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term systemic effects	73 mg/m <sup>3</sup>
	Workers	Inhalation	Acute local effects	73 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	73 mg/m <sup>3</sup>
	Consumers	Ingestion	Long-term systemic effects	3.7 mg/kg
	Consumers	Ingestion	Acute systemic effects	3.7 mg/kg
	Consumers	Inhalation	Long-term local effects	13 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term systemic effects	13 mg/m <sup>3</sup>
	Consumers	Inhalation	Acute local effects	13 mg/m <sup>3</sup>
	Consumers	Inhalation	Acute systemic effects	13 mg/m <sup>3</sup>

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### Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
sodium sulphate	Fresh water	11.09 mg/l
	Freshwater - intermittent	17.66 mg/l
	Marine water	1.109 mg/l
	Sewage treatment plant	800 mg/l
	Fresh water sediment	40.2 mg/kg dry weight (d.w.)
	Marine sediment	4.02 mg/kg dry weight (d.w.)
	Soil	1.54 mg/kg dry weight (d.w.)
octamethylcyclotetrasiloxane [D4]	Fresh water	0.00044 mg/l
	Sewage treatment plant	> 10 mg/l
	Soil	0.13 mg/kg
	Marine water	0.064 mg/kg
	Fresh water sediment	0.64 mg/kg
	Marine sediment	0.000044 mg/l

## 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 : No special protective equipment required.  
Hand protection

Remarks : No special protective equipment required.  
Skin and body protection : No special protective equipment required.  
Select skin and body protection based on the physical job requirements.

Respiratory protection : No personal respiratory protective equipment normally required.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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	:	beige to light brown
Odour	:	characteristic
Odour Threshold	:	No data available
pH	:	7 - 11 Concentration: 1 % w/v
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	May form combustible dust concentrations in air.
Burning number	:	5 (100 °C)
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Density	:	1 g/cm <sup>3</sup>
Bulk density	:	0.4 - 0.7 g/cm <sup>3</sup>
Solubility(ies) Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity Viscosity, kinematic	:	No data available

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Explosive properties : Not explosive  
Oxidizing properties : The substance or mixture is not classified as oxidizing.

### 9.2 Other information

Minimum ignition temperature : 550 °C  
Self-heating substances : The substance or mixture is not classified as self heating.  
Minimum ignition energy : 30 - 100 mJ  
Particle size : No data available

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## 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.

### 10.4 Conditions to avoid

Conditions to avoid : No decomposition if used as directed.

### 10.5 Incompatible materials

Materials to avoid : None known.

### 10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Information on likely routes of exposure : Ingestion  
Inhalation  
Skin contact  
Eye contact

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### Acute toxicity

#### Product:

- Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity
- Acute inhalation toxicity : LC50 (Rat, male and female): > 2.3 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Highest attainable concentration
- Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

#### Components:

##### **cyprodinil (ISO):**

- Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity
- Acute inhalation toxicity : LC50 (Rat, male and female): > 1.2 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity
- Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

##### **reaction product of naphthalene, butanol, sulfonated and neutralized by caustic soda:**

- Acute oral toxicity : LD50 (Rat): 1,800 mg/kg
- Acute inhalation toxicity : LC50 (Rat): 4.08 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist
- Acute dermal toxicity : LD50 (Rabbit): 3,000 mg/kg

### Skin corrosion/irritation

#### Product:

- Species : Rabbit  
Result : No skin irritation

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### Components:

#### **cyprodinil (ISO):**

Species : Rabbit  
Result : No skin irritation

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

### Product:

Species : Rabbit  
Result : No eye irritation

### Components:

#### **cyprodinil (ISO):**

Species : Rabbit  
Result : No eye irritation

#### **reaction product of naphthalene, butanol, sulfonated and neutralized by caustic soda:**

Species : Rabbit  
Result : Risk of serious damage to eyes.

#### **Respiratory or skin sensitisation**

### Product:

Test Type : Maximisation Test  
Species : Guinea pig  
Result : Did not cause sensitisation on laboratory animals.

### Components:

#### **cyprodinil (ISO):**

Species : Guinea pig  
Result : The product is a skin sensitiser, sub-category 1B.

#### **Germ cell mutagenicity**

### Components:

#### **cyprodinil (ISO):**

Germ cell mutagenicity-  
Assessment : Animal testing did not show any mutagenic effects.

#### **reaction product of naphthalene, butanol, sulfonated and neutralized by caustic soda:**

Germ cell mutagenicity-  
Assessment : In vitro tests did not show mutagenic effects

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### **Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl-:**

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects., In vitro tests did not show mutagenic effects

### **Carcinogenicity**

#### **Components:**

#### **cyprodinil (ISO):**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

#### **Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl-:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

### **Reproductive toxicity**

#### **Components:**

#### **cyprodinil (ISO):**

Reproductive toxicity - Assessment : No toxicity to reproduction

#### **octamethylcyclotetrasiloxane [D4]:**

Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility, based on animal experiments.

#### **Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl-:**

Reproductive toxicity - Assessment : No toxicity to reproduction

### **STOT - single exposure**

#### **Components:**

#### **reaction product of naphthalene, butanol, sulfonated and neutralized by caustic soda:**

Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

### **Repeated dose toxicity**

#### **Components:**

#### **cyprodinil (ISO):**

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

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1.8 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna Straus): 0.055 mg/l  
aquatic invertebrates      Exposure time: 48 h

##### Components:

##### **cyprodinil (ISO):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.41 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0.033 mg/l  
aquatic invertebrates      Exposure time: 48 h

LC50 (Americamysis): 0.0081 mg/l  
Exposure time: 96 h

Toxicity to algae/aquatic : ErC50 (Raphidocelis subcapitata (freshwater green alga)): 5.2  
plants      mg/l  
Exposure time: 72 h

NOEC (Raphidocelis subcapitata (freshwater green alga)): 0.4  
mg/l  
End point: Growth rate  
Exposure time: 72 h

EC50 (Skeletonema costatum (marine diatom)): 1.78 mg/l  
Exposure time: 72 h

NOEC (Skeletonema costatum (marine diatom)): 0.541 mg/l  
Exposure time: 72 h

M-Factor (Acute aquatic : 100  
toxicity)

: 10

Toxicity to microorganisms : EC50 (activated sludge): > 100 mg/l  
Exposure time: 3 h

Toxicity to daphnia and other : NOEC: 0.0082 mg/l  
aquatic invertebrates      Exposure time: 21 d  
(Chronic toxicity)      Species: Daphnia magna (Water flea)

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NOEC: 0.0019 mg/l  
Exposure time: 28 d  
Species: Americamysis

M-Factor (Chronic aquatic toxicity) : 10  
10

### reaction product of naphthalene, butanol, sulfonated and neutralized by caustic soda:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Remarks: Information given is based on data obtained from similar substances.

Toxicity to algae/aquatic plants : EC50 (Raphidocelis subcapitata (freshwater green alga)): > 200 mg/l  
Exposure time: 72 h  
Remarks: Information given is based on data obtained from similar substances.

### octamethylcyclotetrasiloxane [D4]:

Toxicity to fish : (Cyprinodon variegatus (sheepshead minnow)): > 0.0063 mg/l  
Exposure time: 336 h  
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates : EC50 (Mysidopsis bahia (opossum shrimp)): > 0.0091 mg/l  
Exposure time: 96 h  
Remarks: No toxicity at the limit of solubility

Toxicity to algae/aquatic plants : ErC50 (Raphidocelis subcapitata (freshwater green alga)): 0.022 mg/l  
Exposure time: 72 h  
Remarks: No toxicity at the limit of solubility

Toxicity to fish (Chronic toxicity) : NOEC:  $\geq$  0.0044 mg/l  
Exposure time: 93 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC:  $\geq$  0.0079 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic toxicity) : 10

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### **Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl-:**

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 2.9 mg/l  
Exposure time: 48 h  
Remarks: No toxicity at the limit of solubility

Toxicity to algae/aquatic plants : ErC50 (Raphidocelis subcapitata (freshwater green alga)): 0.012 mg/l  
Exposure time: 96 h  
Remarks: No toxicity at the limit of solubility

NOEC (Raphidocelis subcapitata (freshwater green alga)): 0.012 mg/l  
Exposure time: 96 h  
Remarks: No toxicity at the limit of solubility

Toxicity to fish (Chronic toxicity) : NOEC:  $\geq$  0.014 mg/l  
Exposure time: 90 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.015 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Remarks: No toxicity at the limit of solubility

## 12.2 Persistence and degradability

### Components:

#### **cyprodinil (ISO):**

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: ca. 10 d  
Remarks: Product is not persistent.

#### **reaction product of naphthalene, butanol, sulfonated and neutralized by caustic soda:**

Biodegradability : Result: Readily biodegradable.  
Remarks: Information given is based on data obtained from similar substances.

#### **octamethylcyclotetrasiloxane [D4]:**

Biodegradability : Result: Not readily biodegradable.

#### **Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl-:**

Biodegradability : Result: Not readily biodegradable.

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### 12.3 Bioaccumulative potential

#### Components:

##### **cyprodinil (ISO):**

Bioaccumulation : Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: 4.0 (25 °C)

##### **octamethylcyclotetrasiloxane [D4]:**

Bioaccumulation : Remarks: High bioaccumulation potential.

##### **Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl-:**

Bioaccumulation : Remarks: High bioaccumulation potential.

### 12.4 Mobility in soil

#### Components:

##### **cyprodinil (ISO):**

Distribution among environmental compartments : Remarks: Cyprodinil has low to slight mobility in soil.

Stability in soil : Dissipation time: 0.1 - 2 d  
Percentage dissipation: 50 % (DT50)  
Remarks: Product is not persistent.

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

#### Components:

##### **cyprodinil (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).

##### **octamethylcyclotetrasiloxane [D4]:**

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).

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### Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl-:

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

No data available

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## 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.  
Do not re-use empty containers.

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## SECTION 14: Transport information

### 14.1 UN number

ADR : UN 3077  
RID : UN 3077  
IMDG : UN 3077  
IATA : UN 3077

### 14.2 UN proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(CYPRODINIL)  
RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(CYPRODINIL)  
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

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(CYPRODINIL)

**IATA** : Environmentally hazardous substance, solid, n.o.s.  
(CYPRODINIL)

### 14.3 Transport hazard class(es)

**ADR** : 9  
**RID** : 9  
**IMDG** : 9  
**IATA** : 9

### 14.4 Packing group

**ADR**  
Packing group : III  
Classification Code : M7  
Hazard Identification Number : 90  
Labels : 9  
Tunnel restriction code : (-)

**RID**  
Packing group : III  
Classification Code : M7  
Hazard Identification Number : 90  
Labels : 9

**IMDG**  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F

**IATA (Cargo)**  
Packing instruction (cargo aircraft) : 956  
Packing instruction (LQ) : Y956  
Packing group : III  
Labels : Miscellaneous

**IATA (Passenger)**  
Packing instruction (passenger aircraft) : 956  
Packing instruction (LQ) : Y956  
Packing group : III  
Labels : Miscellaneous

### 14.5 Environmental hazards

**ADR**  
Environmentally hazardous : yes

**RID**  
Environmentally hazardous : yes

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### IMDG

Marine pollutant : yes

### IATA (Passenger)

Environmentally hazardous : yes

### IATA (Cargo)

Environmentally hazardous : yes

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	:	Conditions of restriction for the following entries should be considered: Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl- (Number on list 70) formaldehyde (Number on list 72, 28) methylcyclohexane
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl-
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	:	Not applicable
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	:	Not applicable
UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable

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

Quantity 1

Quantity 2

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E1      ENVIRONMENTAL HAZARDS      100 t      200 t

### 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

H226 : Flammable liquid and vapour.  
H302 : Harmful if swallowed.  
H317 : May cause an allergic skin reaction.  
H318 : Causes serious eye damage.  
H332 : Harmful if inhaled.  
H335 : May cause respiratory irritation.  
H361f : Suspected of damaging fertility.  
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 : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Dam. : Serious eye damage  
Flam. Liq. : Flammable liquids  
Repr. : Reproductive toxicity  
Skin Sens. : Skin sensitisation  
STOT SE : Specific target organ toxicity - single exposure  
2004/37/EC : Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
2004/37/EC / TWA : Long term exposure limit  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)

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; AIIC - Australian Inventory of Industrial Chemicals; 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 -

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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; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals 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:

Aquatic Acute 1	H400
Aquatic Chronic 1	H410

#### Classification procedure:

Based on product data or assessment
Calculation method

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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