

# Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

print: 26.02.2025

rev n°: 2 (replaces version 1)

Revision date: 26.02.2025

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

### 1.1 Product identifier

**Trade name:** GRECALE**kind of formulation:** Flowable (SC)**Article number:** not applicable**Registration number REACH:** Not applicable.**UFI:** 9P27-PR2R-E10J-1N0T

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

Relevant use: Agriculture.

Fungicide

Agrochemicals formulation.

**Product category PC27:** Plant protection products

### Application of the substance / the mixture

Agricultural chemicals

Plant protection product

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

**Manufacturer/Supplier:**

SIPCAM OXON S.p.A.

Registered office: Via Carroccio, 8 - 20123 Milano, Italia

Management: Via Sempione, 195 - 20016 Pero (MI), Italia

Production site: Via Vittorio Veneto, 81 - 26857 Salerano s. Lambro (LO), Italia

Tel.: +39 0371 5961 (8:00 - 17:00 GMT+1)

Website: [www.sipcam-oxon.com](http://www.sipcam-oxon.com)E-mail: [msds@sipcam.com](mailto:msds@sipcam.com)

### 1.4 Emergency telephone number:

Emergency phone: +39 02 353781 (8.00-17.00 GMT+1)

For any questions regarding this MSDS please contact:

[msds@sipcam.com](mailto:msds@sipcam.com)

Refer to section 16 for Poison Centres.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Repr. 2 H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

STOT RE 2 H373 May cause damage to the thymus, the eyes and the blood through prolonged or repeated exposure.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Sens. 1 H317 May cause an allergic skin reaction.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

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**Hazard pictograms**

GHS07    GHS08    GHS09

**Signal word** Warning**Hazard-determining components of labelling:**

Cymoxanil

fluazinam (ISO)

1,2-benzisothiazol-3(2H)-one

**Hazard statements**

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H373 May cause damage to the thymus, the eyes and the blood through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash de handen thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves / face protection.

P314 Get medical advice/attention if you feel unwell.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

SP1 Do not contaminate water with the product or its container.

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

**2.3 Other hazards****Results of PBT and vPvB assessment** Not applicable.**PBT:** The mixture does not contain any PBT substances.**vPvB:** The mixture does not contain any vPvB substances.**Determination of endocrine-disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties in accordance with Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures****Description:** Mixture of the substances listed below with harmless additions:**Dangerous components:**

N° CAS	Designation	R-Phrases	%
CAS: 79622-59-6	fluazinam (ISO) ⚠ Repr. 2, H361d; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); ⚠ Acute Tox. 4, H332; Skin Sens. 1, H317		10-25%
CAS: 57966-95-7 EINECS: 261-043-0 Index number: 616-035-00-5	Cymoxanil ⚠ Repr. 2, H361fd; STOT RE 2, H373; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317 ATE: LD50 oral: 360 mg/kg		≥10-<25%
CAS: 57-55-6 EINECS: 200-338-0 Reg.nr.: 01-2119456809-23-xxxx	Propane-1,2-diol substance with a Community workplace exposure limit		2.5-10%
CAS: 68425-94-5	Sulfonated aromatic polymer, sodium salt ⚠ Eye Irrit. 2, H319		≥2.5-<10%

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CAS: 8061-51-6	Sodium ligninsulphonate ⚠ Eye Irrit. 2, H319	<2.5%
CAS: 7664-38-2 EINECS: 231-633-2 Index number: 015-011-00-6 Reg.nr.: 01-2119485924-24-xxxx	phosphoric acid ⚠ Met. Corr.1, H290; Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 %	<2.5%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6 Reg.nr.: 01-2120761540-60-xxxx	1,2-benzisothiazol-3(2H)-one ⚠ Acute Tox. 2, H330; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317 ATE: LD50 oral: 450 mg/kg Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.036 %	≥0.025-<0.036%

**Additional information**

Factor M=1, unless otherwise stated.

For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

**4.1 Description of first aid measures****General information**

Show this safety data sheet to the doctor.

Instantly remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Personal protection for the First Aider.

**After inhalation**

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

**After skin contact** Instantly wash with water and soap and rinse thoroughly.**After eye contact**

Rinse opened eye for several minutes under running water, until symptoms disappear, and then with ophthalmic decongestant solution; seek medical attention. Take immediately to hospital, in case of severe injuries.

**After swallowing**

Instantly call for doctor.

Call a doctor immediately.

Rinse out mouth without swallowing, do not induce vomiting.

**Information for doctor** Patient needs medical supervision for 48 h.**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.**4.3 Indication of any immediate medical attention and special treatment needed**

Seek the advice of a Poison Control Centre

Treat symptomatically and supportively

### SECTION 5: Firefighting measures

**5.1 Extinguishing media****Suitable extinguishing agents**CO<sub>2</sub>, extinguishing powder. Fight larger fires with water spray or alcohol-resistant foam. Do not use a direct stream of water to extinguish.

Use fire fighting measures that suit the environment.

**For safety reasons unsuitable extinguishing agents** None.**5.2 Special hazards arising from the substance or mixture**

Can be released in case of fire:

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

Carbon monoxide (CO)

Sulphur oxides (SO<sub>x</sub>)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

Formation of poisonous gases during heating or in fires.

**5.3 Advice for firefighters****Protective equipment:**

Do not inhale explosion gases or combustion gases.

Put on breathing apparatus.

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*Wear protective clothing conforming to European Standard EN 469.*

**Additional information**

*Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.*

*Cool endangered containers with water spray jet.*

*Collect contaminated fire fighting water separately. It must not enter drains.*

*Do not allow extinguishing media and spilled material to enter drains or water courses.*

### SECTION 6: Accidental release measures

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

*Put on breathing apparatus.*

*Keep people at a distance and stay on the windward side.*

*Wear protective clothing.*

**6.1.1. For non-emergency personnel**

*wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing;*

*remove ignition sources, provide sufficient ventilation, control dust;*

*apply emergency procedures, evacuate the danger area or consult an expert.*

**6.1.2. For emergency responders**

*wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing;*

*In case of dust provide inhalation protection*

*Wear protective clothing, boots and glasses*

**6.2 Environmental precautions:**

*Avoid ignition sources.*

*Inform respective authorities in case product reaches water or sewage system.*

*Do not allow to enter drainage system, surface or ground water.*

*Prevent from spreading (e.g. by damming-in or oil barriers).*

*Collect with suitable equipment and do not allow to enter drainage system, surface or ground water.*

**6.3 Methods and material for containment and cleaning up:**

*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

*Dispose of contaminated material as waste according to Section 13.*

*Ensure adequate ventilation.*

**6.4 Reference to other sections**

*See Section 7 for information on safe handling*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for information on disposal.*

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

*Ensure good ventilation/exhaustion at the workplace.*

*Prevent formation of aerosols.*

*Avoid splashes or spray in enclosed areas.*

*Wear personal protective equipments (PPE).*

*The usual precautionary measures for handling chemicals shall be observed.*

**Information about protection against explosions and fires:**

*The product is not flammable*

*Keep ignition sources away - Do not smoke.*

*Keep breathing equipment ready.*

**Handling**

*Avoid contact with the skin and vapour inhalation; do not eat, drink nor smoke while working.*

*Avoid direct or indirect contact with the product. Do not eat, drink or smoke while working.*

**7.2 Conditions for safe storage, including any incompatibilities****Storage**

*Store in a cool and ventilated place, away from heat source and direct sunlight without open sewage system.*

*Keep out the reach of children, unauthorized persons and animals. Keep away from food, drink and animal feedingstuffs.*

**Requirements to be met by storerooms and containers:** *Store only in the original container.*

**Information about storage in one common storage facility:**

*Prevent storage with incompatible materials (see chapter 10).*

*Store away from foodstuffs.*

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**Further information about storage conditions:**

Store container in a well ventilated position.  
 Store in cool, dry conditions in well sealed containers.

**Storage class 12****7.3 Specific end use(s)**

Agriculture

To be applied strictly for the uses described in the label.

**SECTION 8: Exposure controls/personal protection**
**8.1 Control parameters****Components with limit values that require monitoring at the workplace:****CAS: 57966-95-7 Cymoxanil**TWA (Gran Bretagna) Short-term value: 5 mg/m<sup>3</sup>**CAS: 57-55-6 Propane-1,2-diol**WEL (Gran Bretagna) Long-term value: 474\* 10\*\* mg/m<sup>3</sup>, 150\* ppm  
 \*total vapour and particulates \*\*particulates**CAS: 7664-38-2 phosphoric acid**WEL (Gran Bretagna) Short-term value: 2 mg/m<sup>3</sup>  
 Long-term value: 1 mg/m<sup>3</sup>**DNELs****CAS: 7664-38-2 phosphoric acid**

Oral	DNEL Long-term	10.7 mg/kg bw/day (workers) 4.57 mg/kg bw/day (consumers)
	DNEL Short-term	2 mg/m <sup>3</sup> (workers)
Inhalative	DNEL Long-term	1 mg/m <sup>3</sup> (workers) 0.36 mg/m <sup>3</sup> (consumers)

**PNECs** No further information available.**Additional information:** The lists that were valid during the compilation were used as basis.**8.2 Exposure controls****Individual protection measures, such as personal protective equipment****General protective and hygienic measures**

The usual precautionary measures for handling chemicals shall be observed.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Pregnant women must strictly avoid inhalation or contact with the skin.

Do not eat, drink or smoke while working.

**Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.



Breathing protection recommended in accordance with the relevant European Standards.

**Hand protection**

Protective gloves (rubber or plastic).



Protective gloves against chemicals and micro-organisms in accordance with EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves** Nitrile rubber, NBR

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**Eye/face protection**

Tightly sealed safety glasses in accordance with EN 166.

**Body protection:** Protective work clothing.**Boots** Safety footwear for professional use in accordance with EN 345.**Environmental exposure controls**

Waste waters from equipment cleaning shall be disposed according to local and national regulation.

### SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties****General Information**

<b>Physical state</b>	Liquid
<b>Colour:</b>	Cream coloured
<b>Odour:</b>	Characteristic
<b>Melting point/freezing point:</b>	Not determined
<b>Flammability</b>	Not applicable because the product is liquid
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not explosive Method EU A.14
<b>Upper:</b>	Not explosive Method EU A.14
<b>Flash point:</b>	no flash point up to 110 °C.
<b>Auto-ignition temperature:</b>	385±4 °C (EU A.15)
<b>Decomposition temperature:</b>	Not determined.
<b>pH value</b> (1% in distilled water)	5.32 (CIPAC MT 75.3)
<b>pH (undiluted sample)</b>	
<b>Viscosity:</b>	
<b>Kinematic viscosity</b> dynamic at 20 °C:	Not determined. 1375 mPas (CIPAC MT 192)
<b>Solubility</b> Water:	Dispersible
<b>Density and/or relative density</b> Relative density at 20 °C	1.2 g/ml (CIPAC MT 3.3.2)

**9.2 Other information**

<b>Appearance:</b>	
<b>Form:</b>	Viscous suspension
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Self-inflammability:</b>	Product is not selfigniting. Method EU A.15
<b>Explosive properties:</b>	Product is not explosive. Method EU A.14
<b>Solvent content:</b>	
<b>Organic solvents:</b>	4.0 %
<b>Water:</b>	45 %
<b>Solids content:</b>	26.8 %
<b>Change in condition</b> <b>Softening point/range</b> <b>Oxidising properties</b>	Not an oxidiser Method EU A.21

**Information with regard to physical hazard classes**

<b>Explosives</b>	The product is not explosive. Method EU A.14
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void

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<b>Flammable liquids</b>	The product is not flammable as it does not contain flammable solvents.
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Product is not autoflammable. Method EU A.15
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	The product is not auto-flammable since it doesn't contain auto-flammable solvents
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Product not oxidising. Method EU A.21
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

- 10.1 Reactivity** The product is not reactive under recommended handling conditions.
- 10.2 Chemical stability** Stable under the recommended handling and storage conditions (see section 7).
- Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions** No dangerous reactions are known.
- 10.4 Conditions to avoid** No further relevant information available.
- 10.5 Incompatible materials:** No further relevant information available.
- 10.6 Hazardous decomposition products:** None in standard storage conditions.

### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute toxicity** Harmful if swallowed.

##### LD/LC50 values that are relevant for classification:

Oral	LD50	300-2,000 mg/kg (rat) OECD 420
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)
Inhalative	LC50 (4 h)	>1.58 mg/L (rat) (OECD 403)

##### CAS: 79622-59-6 fluazinam (ISO)

Oral	LD50	>2,000 mg/kg (rat) OECD 425
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)
Inhalative	LC50 (4 h)	1.68 mg/L (rat) (OECD 403)

##### CAS: 57966-95-7 Cymoxanil

Oral	LD50	360 mg/kg (ATE) 360 mg/kg (rat) Harmonized ATE
Dermal	LD50	>2,000 mg/kg (rat)

##### CAS: 68425-94-5 Sulfonated aromatic polymer, sodium salt

Oral	LD50	>5,000 mg/kg (rat)
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##### CAS: 7664-38-2 phosphoric acid

Oral	LD50	>300 mg/kg (rat) (OECD 423)
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##### Primary irritant effect:

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

##### Skin corrosion / irritation - Test

Irritation of skin	Skin corrosion	(rabbit) (OECD 404) Not irritant
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**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

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**Serious eye damage / Irritation - Test**

Irritation of eyes	Eye Irritation	(rabbit) (OECD 405)
		Not irritant

**CAS: 68425-94-5 Sulfonated aromatic polymer, sodium salt**

Irritation of eyes	Eye Irritation	Irritant
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**Respiratory or skin sensitisation** May cause an allergic skin reaction.**Sensitisation - Test**

Sensitization	(mice) (OECD 429 Mouse Local lymphnode assay)
	Skin Sensitizer

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Suspected of damaging fertility. Suspected of damaging the unborn child.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure**

May cause damage to the thymus, the eyes and the blood through prolonged or repeated exposure.

**Aspiration hazard** Based on available data, the classification criteria are not met.**Other information:** For symptoms and effects see section 4.**Additional toxicological information:****Acute effects (acute toxicity, irritation and corrosivity)** No further information available.**Repeated dose toxicity** No relevant information available.**CMR effects (cancerogenity, mutagenicity and toxicity for reproduction)**

Cymoxanil classified as suspected reprotoxic (H361fd)

**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information****12.1 Toxicity** Very toxic to aquatic life with long lasting effects.**Aquatic toxicity:**

EC50 (72h)	0.38 mg/L (algae <i>Pseudokirchneriella subcapitata</i> )
LC50 (96h)	0.14 mg/L (fish)
EC50 (48h)	0.384 mg/L ( <i>Daphnia magna</i> )

**CAS: 79622-59-6 fluazinam (ISO)**

EC50 (72h)	>0.22 mg/L (algae)
LC 50	0.055 mg/L (bluegill sunfish ( <i>Lepomis macrochirus</i> ))
	0.22 mg/L ( <i>Daphnia magna</i> )

**CAS: 57966-95-7 Cymoxanil**

LC50 (96h)	29 mg/L (bluegill sunfish ( <i>Lepomis macrochirus</i> ))
EC50 (48h)	27 mg/L ( <i>Daphnia magna</i> )
ErC50 (72h)	0.254 mg/L (algae <i>anabaena flos-aquae</i> )
NOEC	0.044 mg/L (fish) (90 d)

**CAS: 68425-94-5 Sulfonated aromatic polymer, sodium salt**

EC50 (72h)	>100 mg/L (algae <i>Pseudokirchneriella subcapitata</i> ) (OECD 201) Read-across
LC50 (96h)	>10-100 mg/L ( <i>Danio rerio</i> ) (OECD 203) Read-across
EC10 (72h)	>100 mg/L (algae <i>Pseudokirchneriella subcapitata</i> ) (OECD 201) Read-across
EC10	>10-100 mg/L (algae <i>Pseudokirchneriella subcapitata</i> ) (OECD 211) 21d

**CAS: 7664-38-2 phosphoric acid**

EC50 (72h)	>100 mg/L (algae) (OECD 201)
EC50 (48h)	>100 mg/L ( <i>Daphnia magna</i> ) (OECD 202)

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**Environmental toxicity**

Oral	LD 50	>200 µg/bee (bee ( <i>Apis mellifera</i> ))
Dermal	LD 50	>100 µg/bee (bee ( <i>Apis mellifera</i> ))

**CAS: 57966-95-7 Cymoxanil**

Oral	LD 50	>2,000 mg/kg bw ( <i>Colinus virginianus</i> )
	EC 50	>1,000 mg/kg (earthworms, <i>Eisenia foetida</i> ) (14 d)
	LD 50	>85.29 µg/bee (bee ( <i>Apis mellifera</i> ))
Dermal	LD 50	>100 µg/bee (bee ( <i>Apis mellifera</i> ))

**12.2 Persistence and degradability****CAS: 68425-94-5 Sulfonated aromatic polymer, sodium salt**

Biodegradation	%	Not readily biodegradable
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**12.3 Bioaccumulative potential****CAS: 79622-59-6 fluazinam (ISO)**

Octanol / Water partition coefficient	4.03 (partition n-octanol/water)
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**CAS: 57966-95-7 Cymoxanil**

Octanol / Water partition coefficient	0.67 (partition n-octanol/water)
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**CAS: 8061-51-6 Sodium ligninsulphonate**

Octanol / Water partition coefficient	(valore stimato) -3,45
BCF - Bioconcentration factor	3.2 (fish)

**12.4 Mobility in soil****CAS: 8061-51-6 Sodium ligninsulphonate**

Koc	>99,999 ml/g (valore stimato)
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**12.5 Results of PBT and vPvB assessment****PBT:** None of the ingredients meets the classification requirements.**vPvB:** None of the ingredients meets the classification requirements.**12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.**12.7 Other adverse effects** No further relevant information available.**Remark:** Very toxic for fish**DT 50 (active ingredient)****CAS: 57966-95-7 Cymoxanil**

DT 50	1.4 days (soil)
	Very low to low persistence
	0.3 days (water)
	Not persistent

**CAS: 8061-51-6 Sodium ligninsulphonate**

DT 50	0.098 days (aria)
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**Additional ecological information:****General notes:**

Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into soil.

Also poisonous for fish and plankton in water bodies.

Water danger class 3 (German Regulation) (Self-assessment): extremely hazardous for water.

Very toxic for aquatic organisms

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packagings:** Dispose empty packagings according to current regulations.

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**Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information**
**14.1 UN number or ID number**  
**ADR/RID/ADN, IMDG, IATA**

UN3082

**14.2 UN proper shipping name**  
**ADR/RID/ADN**

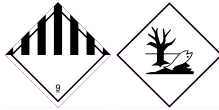
3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (fluazinam (ISO), Cymoxanil)

**IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (fluazinam (ISO), Cymoxanil), MARINE POLLUTANT

**IATA**

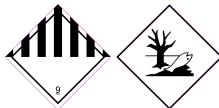
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (fluazinam (ISO), Cymoxanil)

**14.3 Transport hazard class(es)****ADR/RID/ADN****Class**

9 (M6) Miscellaneous dangerous substances and articles.

**Label**

9

**IMDG, IATA****Class**

9 Miscellaneous dangerous substances and articles.

**Label**

9

**14.4 Packing group****ADR/RID/ADN, IMDG, IATA**

III

**14.5 Environmental hazards:**

Product contains environmentally hazardous substances: fluazinam (ISO), Cymoxanil

**Marine pollutant:**

Yes

Symbol (fish and tree)

**Special marking (ADR/RID/ADN):**

Symbol (fish and tree)

**Special marking (IATA):**

Symbol (fish and tree)

**14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

**Kemler Number:**

90

**EMS Number:**

F-A,S-F

**Stowage Category**

A

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

**Transport/Additional information:****ADR/RID/ADN****Limited quantities (LQ)**

5L

**Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**Transport category**

3

**Tunnel restriction code**

E

**Remarks:**

Transport in Limited Quantities only in suitable packaging.

ADR Special Provision 375 may apply for UN 3077 in packagings of 5 kg or less and for UN3082 in packagings of 5 L or less.

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**Safety data sheet**  
 according to Regulation (EC) No 1907/2006, Article 31

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Revision date: 26.02.2025

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**IMDG****Limited quantities (LQ)**

5L

**Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**Remarks:**

IMDG Code 2.10.2.7 may apply for UN 3077 in packagings of 5 kg or less and for UN3082 in packagings of 5 L or less.

**IATA****Remarks:**

For UN 3077 in packagings of 5 kg or less and UN3082 in packagings of 5 L or less, Special Provision A197 may apply according to IATA Dangerous Goods Regulation.

**UN "Model Regulation":**

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLUAZINAM (ISO), CYMOXANIL), 9, III

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) n. 1907/2006

Regulation (EC) n. 1272/2008

Regulation (EC) n. 790/2009 and (EU) no. 758/2013

Regulation (EU) n. 2020/878

Regulation (EU) n. 286/2011

Regulation (EU) n. 618/2012

Regulation (EU) n. 487/2013

Regulation (EU) n. 944/2013

Regulation (EU) n. 605/2014

Regulation (EU) n. 2015/1221

Regulation (EU) n. 2016/918

Regulation (EU) n. 2016/1179

Regulation (EU) n. 2017/776

Regulation (EU) n. 2018/669

Regulation (EU) n. 2018/521

Regulation (EU) n. 2018/1480

Regulation (EU) n. 2020/217

Regulation (EU) n. 2020/1182

Regulation (EU) n. 1107/2009

Regulation (EU) n. 2021/643

Regulation (EU) n. 2021/849

Regulation (EU) n. 2022/692

Regulation (EU) n. 2023/1434

Regulation (EU) n. 2022/1435

Regulation (EU) n. 2024/197

**Directive 2012/18/EU****Named dangerous substances - ANNEX I** Not applicable**Seveso category E1** Hazardous to the Aquatic Environment**Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

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## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

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**Trade name: GRECALE**

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**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**National regulations****Technical instructions (air):**

Class	Share in %
NK	4.0

**Water hazard class:** Water danger class 3 (Self-assessment): extremely hazardous for water.**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

In case of emergency, contact your local Poison Centre through Global Health Observatory data on

[http://www.who.int/gho/phe/chemical\\_safety/poisons\\_centres/en/](http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/)

A list of European Poison Centres is available on [http://ec.europa.eu/growth/sectors/chemicals/poison-centres/index\\_en.htm](http://ec.europa.eu/growth/sectors/chemicals/poison-centres/index_en.htm)

**Department issuing data specification sheet:** Product safety department.**Contact:**

Product safety department

SIPCAM OXON [msds@sipcam.com](mailto:msds@sipcam.com)For Poison Centres in Europe see: <https://poisoncentres.echa.europa.eu>**Date of previous version:** 20.11.2023**Version number of previous version:** 1**Abbreviations and acronyms:**

EC 50: Effective concentration, 50 percent

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 2: Acute toxicity – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Repr. 2: Reproductive toxicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

**Sources**

Document elaborated on the basis of the data required by the EC Regulation 1107/2009 (plant protection products) and in accordance with the EC Regulation 878/2020.

\* Data compared to the previous version altered.

20.11.2023