

Safety data sheet

according to 1907/2006/EC, Article 31

print: 18.03.2019

rev n°: 7

Revision date: 18.03.2019

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

1.1 Product identifier

Trade name: *VITENE***kind of formulation:** *Water dispersible granule (WDG)***Article number:** 0897**Use** *Fungicide***Registration number REACH** *Not applicable.***1.2 Relevant identified uses of the substance or mixture and uses advised against** *Relevant use: Agriculture.***Application of the substance / the mixture** *Agricultural chemicals*

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 - Italy**Production Site: Via Vittorio Veneto, 81 - 26857 Salerano sul Lambro (LO) - Italy**TEL.: +39 0371 5961*

1.4 Emergency telephone number:

*Emergency phone: + 39 0371 5961 (24h)**For any questions regarding this MSDS please contact:**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 and the blood through prolonged or repeated exposure.***GHS09 environment***Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.***GHS07***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.

Hazard pictograms

**GHS07****GHS08****GHS09****Signal word** *Warning*

Hazard-determining components of labelling:

Cymoxanil

Hazard statements

*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 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.**P280 Wear protective gloves/protective clothing/eye protection/face protection.**P308+P313 IF exposed or concerned: Get medical advice/attention.*

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P391 Collect spillage.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

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****PBT:** Not applicable.**vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

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

N° CAS	Designation	R-Phrases	%
CAS: 57966-95-7 EINECS: 261-043-0	Cymoxanil	Repr. 2, H361fd; STOT RE 2, H373; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1, H317	45.0%
CAS: 1332-58-7	Clay substance with a Community workplace exposure limit		25-50%
	Sulfonated aromatic polymer, sodium salt	Eye Irrit. 2, H319	5.0%
	Potassium polycarboxylate	Eye Irrit. 2, H319; Aquatic Chronic 3, H412	5.0%

Additional information 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**

Instantly remove any clothing soiled by the product.

Personal protection for the First Aider.

After inhalation

Supply fresh air or oxygen; call for doctor.

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

After skin contact

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact Rinse opened eye for several minutes under running water. Then consult doctor.**After swallowing**

Rinse out mouth without swallowing, do not induce vomiting.

Call a doctor immediately.

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

Treat symptomatically and supportively

Seek the advice of a Poison Control Centre

SECTION 5: Firefighting measures

5.1 Extinguishing media**Suitable extinguishing agents**CO₂, extinguishing powder. Fight larger fires with water spray or alcohol-resistant foam. Do not use a direct stream of water to extinguish.**5.2 Special hazards arising from the substance or mixture**

Can be released in case of fire:

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

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

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5.3 Advice for firefighters**Protective equipment:**

Wear protective clothing conforming to European Standard EN 469.

Wear self-contained breathing apparatus.

Additional information

Cool endangered containers with water spray jet.

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

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

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

Ensure adequate ventilation

Keep away from ignition sources

6.2 Environmental precautions:

Do not allow to enter the ground/soil.

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

6.3 Methods and material for containment and cleaning up:

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

Dispose of contaminated material as waste according to Section 13.

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.

Avoid splashes or spray in enclosed areas.

Wear personal protective equipments (PPE).

The usual precautionary measures for handling chemicals shall be observed.

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

Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.

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.

Further information about storage conditions:

Protect from humidity and keep away from water.

Keep container tightly sealed.

7.3 Specific end use(s)

Agriculture

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

SECTION 8: Exposure controls/personal protection**Additional information about design of technical systems:**

Provide a proper ventilation, especially for indoor workplaces.

8.1 Control parameters**Components with limit values that require monitoring at the workplace:**

CAS: 57966-95-7 Cymoxanil (45.0%)

OEL Short-term value: 5 mg/m³

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CAS: 1332-58-7 Clay

WEL Long-term value: 2 mg/m³

DNELs No further information available.

PNECs No further information available.

8.2 Exposure controls**Personal protective equipment****General protective and hygienic measures**

The usual precautionary measures for handling chemicals shall be observed.

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

Take off immediately all contaminated clothing

Keep away from foodstuffs, beverages and food.

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

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while working.

Breathing equipment:

Use breathing protection in case of insufficient ventilation (according to applicable European Standard).

Protection of hands:

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

Protective gloves (rubber or plastic).

Material of gloves Rubber gloves

Eye protection:

Safety glasses in accordance with EN 166.

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

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

Form:	Granulate
Colour:	Beige
Odour:	Characteristic

pH-value:

pH value (1% in distilled water)	5.65 (CIPAC MT 75.3)
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Change in condition

Melting point/freezing point:	Not applicable
Initial boiling point and boiling range:	Not applicable.

Flash point:	Not applicable Method EEC A.10
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Self-inflammability:	Product is not selfigniting. Method ECC A.16
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Explosive properties:	Product is not explosive. Method EEC A.14
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Critical values for explosion:

Oxidising properties	Not an oxidiser Method EEC A17
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Density	0.809-0.850 g/ml (pour-tap CIPAC MT186)
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Solubility in / Miscibility with Water:	dispersible
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9.2 Other information

No further relevant information available.

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** Risk of dust explosion**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 toxicological effects****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values that are relevant for classification:**

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat) Similar formulation
Inhalative	LC50 (4 h)	>3.31 mg/l (rat) Similar formulation

CAS: 57966-95-7 Cymoxanil

Oral	LD50	960 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 (4 h)	>5.6 mg/l (rat)

Sulfonated aromatic polymer, sodium salt

Oral	LD50	>5,000 mg/kg (rat)
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NOEL (no observable effect level)**CAS: 57966-95-7 Cymoxanil**

Oral	NOAEL	1.3 mg/kg bw/d (dog) (1y) 4.19 mg/kg bw/d (mice) 18m / 90d, respectively Organs affected: testes, epididymides, thymus and blood parameters 6.5 mg/kg bw/d (rat) (90d)
	NOAEL (2y)	4.08 mg/kg bw/d (rat)
Dermal	NOAEL	>1,000 mg/kg bw/d (rat) (28d)

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) Not irritant
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Serious eye damage/irritation Based on available data, the classification criteria are not met.**Serious eye damage / Irritation - Test**

Irritation of eyes	Eye Irritation	(rabbit) Not irritant
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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	(guinea pig) Not sensitizer
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Additional toxicological information: Sensitizer

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Acute effects (acute toxicity, irritation and corrosivity) No further information available.

CMR effects (cancerogenity, mutagenicity and toxicity for reproduction)

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 and the blood through prolonged or repeated exposure.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

LC50 (96h)	120 mg/l (rainbow trout (<i>oncorhynchus mykiss</i>)) Similar formulation
EC50 (48h)	>200 mg/l (<i>Daphnia magna</i>) Similar formulation
ErC50 (72h)	4.72 mg/l (algae <i>pseudokirchneriella subcapitata</i>) Similar formulation

CAS: 57966-95-7 Cymoxanil

LC50 (96h)	29 mg/l (bluegill sunfish (<i>Leponis 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)

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

Environmental toxicity

CAS: 57966-95-7 Cymoxanil

Oral	LD 50	>2,000 mg/kg bw (<i>Colinus virginianus</i>)
	LC 50	>1,000 mg/kg (earthworms) (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 No further relevant information available.

12.3 Bioaccumulative potential

CAS: 57966-95-7 Cymoxanil

Octanol / Water partition coefficient 0.67 (partition n-octanol/water)

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:

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

Additional ecological information:

General notes: Very toxic for aquatic organisms

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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 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Must be specially treated under adherence to official regulations.

Uncleaned packagings: Dispose empty packagings according to current regulations.**Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****14.1 UN-Number****ADR/RID/ADN, IMDG, IATA**

UN3077

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

3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil)

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil), MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil)

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

9 (M7) 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:**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

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Stowage Code	SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.
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14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
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Transport/Additional information:

ADR/RID/ADN	
Limited quantities (LQ)	5 kg
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 1000 g
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.

IMDG	
Limited quantities (LQ)	5 kg
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 1000 g
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":	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cymoxanil), 9, III
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SECTION 15: Regulatory information

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

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

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/

A list of European Poison Centres is available on http://ec.europa.eu/growth/sectors/chemicals/poison-centres/index_en.htm

Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing data specification sheet: Product safety department.

Contact:

Product safety department

SIPCAM OXON - Salerano Plant

TEL.: +39 03715961

H statements of components:

H302 Harmful if swallowed.

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H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

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

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

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

Acute Tox. 4: Acute toxicity – Category 4

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

Skin Sens. 1: Skin sensitisation – Category 1

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

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered. 18.03.2019**

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