

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

**1.1 Product identifier**

**Trade name:** VITENE 45 WG

**kind of formulation:** Water dispersible granule (WDG)

**Article number:** 1292

**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 S.p.A. - Via Vittorio Veneto, 81 - 26857 Salerano sul Lambro (LO) - Italy

TEL.: +39 0371 5961 - FAX +39 0371 71408

**1.4 Emergency telephone number:**

Emergency phone: + 39 0371 5961 (24/24h)

For any questions regarding this MSDS please contact:

msds@sipcam.it

**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

Acute Tox. 4

H302 Harmful if swallowed.

Eye Irrit. 2

H319 Causes serious eye irritation.

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

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Revision date: 20.11.2015

**Trade name: VITENE 45 WG**

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**Hazard statements**

- H302 Harmful if swallowed.  
 H319 Causes serious eye irritation.  
 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**

- P102 Keep out of reach of children.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P273 Avoid release to the environment.  
 P264 Wash thoroughly after handling.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

**Additional information:**

EUH401 To avoid risks to human health and the environment, comply with the instructions for use. Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

**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		46.9%
	Sulfonated aromatic polymer, sodium salt ⚠ Eye Irrit. 2, H319		1.0-5.0%
	Potassium polycarboxylate ⚠ Eye Irrit. 2, H319; Aquatic Chronic 3, H412		1.0-5.0%

**Additional information** For the wording of the listed risk 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.

**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.

**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**

Rinse out mouth without swallowing, do not induce vomiting.

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Call a doctor immediately.

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

**CYMOXANIL:** urea derivative. During handling it may cause conjunctivitis, rhinitis, throat and skin irritation. Ingestion may cause gastroenteritis, nausea, vomiting, diarrhoea. Sub-icterus and hematuria were reported too.

**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**

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.

**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)

**5.3 Advice for firefighters**

**Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear self-contained breathing apparatus.

Wear full protective suit.

**Additional information** Cool endangered containers with water spray jet.

### **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

**6.2 Environmental precautions:**

Avoid ignition sources.

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:**

Collect mechanically.

Dispose of contaminated material as waste according to Section 13.

**6.4 Reference to other sections**

See Section 8 for information on personal protection equipment.

### **SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Store in cool, dry place in tightly closed containers.

Prevent formation of dust.

**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.

Protect against electrostatic charges.

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**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.

**Requirements to be met by storerooms and containers:** Store in cool location.

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

Do not store together with acids.

Do not store together with alkalis (caustic solutions).

**Further information about storage conditions:**

Store under dry conditions.

This product is hygroscopic.

Protect from humidity and keep away from water.

**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:**

57966-95-7 Cymoxanil (45.0%)

OEL Short-term value: 5 mg/m<sup>3</sup>

**8.2 Exposure controls**

**Personal protective equipment**

**General protective and hygienic measures**

The usual precautionary measures for handling chemicals shall be observed.

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:**



Breathing protection recommended.

**Recommended filter device for short term use: Filter P1**

**Protection of hands:**

**Material of gloves Rubber gloves**

**Eye protection:**



Safety glasses

**Body protection:**



Protective work clothing.

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**SECTION 9: Physical and chemical properties**

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

**General Information**

**Appearance:**

**Form:** Granulate  
**Colour:** Light brown  
**Odour:** Characteristic

**Change in condition**

**Melting point/Melting range:** Not determined  
**Boiling point/Boiling range:** Not applicable.

**Flash point:** Not applicable

**Self-inflammability:** Product is not selfigniting.

**Density at 20 °C** 0.7 g/cm<sup>3</sup>

**Solubility in / Miscibility with**

**Water:** dispersible

**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 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 toxicological effects**

**Acute toxicity**

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

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50 (4 h)	>3.31 mg/l (rat)

**57966-95-7 Cymoxanil**

Oral	LD50	960 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50 (4 h)	>5.6 mg/l (rat)

**110-17-8 fumaric acid**

Oral	LD50	10700 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)

**ADI (acceptable daily intake) mg/kg/b.w./day**

**57966-95-7 Cymoxanil**

**ADI** 0.013 mg/kg/bw/d (-)

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**NOEL (no observable effect level)**

**57966-95-7 Cymoxanil**

NOEL	1.6 (2 y) mg/kg (dog)
	4.2 (2 y) mg/kg (mice)
	4.1 (2 y) mg/kg (rat)

**Primary irritant effect:**

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

**Skin corrosion / irritation - Test**

Irritation of skin	C.I.	not irritant (rabbit)
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**Serious eye damage/irritation**

Causes serious eye irritation.

**Serious eye damage / Irritation - Test**

Irritation of eyes	EI	not irritant (rabbit)
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**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**Sensitisation - Test**

Sensitization	not sensitizer (guinea pig)
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**Additional toxicological information: Sensitizer**

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

**Sensitisation** May cause sensitisation by skin contact.

**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:**

EC50 (72h)	4.19 mg/l (algae <i>pseudokirchneriella subcapitata</i> )
	>200 mg/l ( <i>daphnia magna</i> )
	120 mg/l (rainbow trout ( <i>oncorhynchus mykiss</i> ))

**57966-95-7 Cymoxanil**

EC50 (72h)	1.21 mg/l (algae <i>selenastrum capricornutum</i> )
	0.122 mg/l (algae <i>anabaena flos-aquae</i> )
EC50 (96h)	29 mg/l (bluegill sunfish ( <i>Leponis macrochirus</i> ))
	61 mg/l (rainbow trout ( <i>oncorhynchus mykiss</i> ))
LC 50	27 mg/l ( <i>daphnia magna</i> )
	>2000 mg/l (bobwhite quail)

**Environmental toxicity**

**57966-95-7 Cymoxanil**

Oral LD 50	>85.3 µg/bee (bees)
	2208 mg/kg (earthworms)

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12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential

57966-95-7 Cymoxanil

Octanol / Water partition coefficient 0.59 - 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)

57966-95-7 Cymoxanil

DT 50 0.75-1.5 days (soil)  
soil pH = 5.7-7.8  
<1 days (water)

Additional ecological information:

General notes:

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

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:

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.

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**Trade name: VITENE 45 WG**

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*In case of emergency, contact your local Poison Centre through Global Health observatory data of the World Health Organization.*

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

**Contact:**

*Product safety department*

*SIPCAM Stabilimento di Salerano sul Lambro (LO)*

*TEL.: +39 03715961 - FAX: +39 037171408*

**H statements of components:**

*H302 Harmful if swallowed.*

*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, Hazard Category 4*

*Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2*

*Skin Sens. 1: Sensitisation - Skin, Hazard Category 1*

*Repr. 2: Reproductive toxicity, Hazard Category 2*

*STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2*

*Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1*

*Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1*

*Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3*

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

20.05.1998