

SAFETY DATA SHEET

Njord Filtration BV



Product : ACTICIDE CMG

Print date : 10.03.2020

Page 1 (5)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade name : ACTICIDE[®] CMG
Product use : Biocide for industrial and/or commercial use
Distributor : Njord Filtration BV
Nobelstraat 24-1
5051DV Goirle
The Netherlands
Note; produced by Thor GmbH; see section 16 for details
Telephone : (31) 13 7640706
Emergency telephone : +49 621 60 43333
E-mail address : info@algae-x.net

2. HAZARDS IDENTIFICATION

REGULATION (EC) No 1272/2008

Classification

Skin corrosion, Category 1B
Skin sensitisation, Category 1
Chronic aquatic toxicity, Category 3

Label elements

Symbol(s)



Signal word : Danger
Hazard statement(s) : H314, Causes severe skin burns and eye damage.
H317, May cause an allergic skin reaction.
H412, Harmful to aquatic life with long lasting effects.
Supplemental hazard statement(s) :
Precautionary statement(s) general : P102, Keep out of reach of children.
Precautionary statement(s) prevention : P261, Do not breath dust/fume/gas/mist/vapours/spray.
P264, Wash hands thoroughly after handling.
P273, Avoid release to the environment.
P280, Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statement(s) response : P301+P330+P331, IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340, IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310, Immediately call a POISON CENTER or doctor/physician.
Precautionary statement(s) storage : P405: Store locked up.
Precautionary statement(s) disposal : P501, Dispose of contents/container to an approved waste disposal plant.

SDS version : 1
Date created : 19.04.2010
Update of section :

SAFETY DATA SHEET

Njord Filtration BV



Product : ACTICIDE CMG

Print date : 10.03.2020

Page 2 (5)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Hazard symbol : C, Corrosive
Risk-phrases : R34, Causes burns.
R43, May cause sensitisation by skin contact.
R52/53, Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No. : Not applicable, product is a mixture.

EINECS-No. / ELINCS No. : Not applicable, product is a mixture.

This product is a complex mixture of ingredients, which contains among others the following substance(s), presenting a health or environmental hazard, or having an occupational exposure limit:

Cas No.	Component	Classification DSD (67/548/EEC)	Classification CLP ((EC) No 1272/2008)	Concentration
55965-84-9	a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)	T, N; R23/24/25-34-43-50/53	GHS05, GHS06; GHS09 H300, H310, H314, H317, H330, H410	1.4 %

4. FIRST AID MEASURES

Inhalation : Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration.

Eye exposure : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

Skin exposure : Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.

Ingestion : Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Other : Take Hazard and Precautionary statements (section 2) into account.

5. FIRE-FIGHTING MEASURES

Extinguishing media : Carbondioxide, dry chemical, waterjet, foam.

Special protective equipment for fire-fighters : Wear self contained breathing apparatus for fire fighting if necessary. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Use personal protective equipment. Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

SDS version : 1
Date created : 19.04.2010
Update of section :

SAFETY DATA SHEET

Njord Filtration BV



Product : ACTICIDE CMG

Print date : 10.03.2020

Page 3 (5)

Spillage : Clean up spillage promptly. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

Environmental precautions : Keep away from drains, surface- and groundwater and soil.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : Operate if possible out of doors or in a well-ventilated place. For personal protection see section 8.

Advice on protection against fire and explosion : Keep away from ignition sources and naked flame.

Storage

Requirements for storage areas and containers : Store in a cool, dry, ventilated area away from heat sources. Keep containers upright and tightly closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General : Verify if the substances declared in section 3 have relevant national exposure limits.

Personal protective equipment

Respiratory protection : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Eye protection : Face-shield

Hand protection : Use chemically resistant gloves. Skin should be washed after contact.

Body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Exposure control

Hygiene measures : Ensure adequate ventilation, especially in confined areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid
Odour : Mild
Colour : Colourless to pale yellow
Boiling point : 228 °C
Melting point : not determined
Flash point (closed cup) : 121 °C
Auto ignition temperature : 310 °C
Vapour pressure (@ 20 °C) : 0.1 hPa
Density (@ 20 °C) : 1.05 g/cm³
Solubility in water : soluble
pH : not determined
Explosion risk : Vapours may form explosive mixture with air.
Explosion limits : Lower 2.9% v/v
Upper 12.6% v/v

SDS version : 1

Date created : 19.04.2010

Update of section :

SAFETY DATA SHEET

Njord Filtration BV



Product : ACTICIDE CMG

Print date : 10.03.2020

Page 4 (5)

10. STABILITY AND REACTIVITY

Conditions to avoid : Do not expose to temperatures > 80 °C
Hazardous reactions : Stable. Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents. Hazardous polymerisation does not occur.
Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity : Oral LD₅₀ (rat) = 4467 mg/kg
Dermal LD₅₀ (rat) >5000 mg/kg
Irritation/corrosion : Corrosive effects on skin, eyes, and mucous membranes.

12. ECOLOGICAL INFORMATION

The product contains following substances which are hazardous for the environment:
mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one (CIT) and 2-methyl-2 H -isothiazol-3-one (MIT) (3:1)
Biodegradation : CIT/MIT, Ready biodegradability, 60% O₂-use (OECD 301D)
Ecotoxicity : CIT/MIT, EC₅₀ (48h, Daphnia magna) = 8 mg/l
Behaviour in waste water treatment plants : CIT/MIT, EC₅₀ (Activated sludge) = 7,9 mg/l

13. DISPOSAL CONDITIONS

Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations.
Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

ADR

UN-number : 1760
Description of the goods : CORROSIVE LIQUID, N.O.S. (mixture of: 5-chloro-2-methyl-2 H – isothiazol-3-one and 2-methyl-2 H -isothiazol-3-one (3:1))
Class : 8
Packing group : III
Environmentally hazardous : No

IATA

UN-number : 1760
Description of the goods : CORROSIVE LIQUID, N.O.S. (mixture of: 5-chloro-2-methyl-2 H – isothiazol-3-one and 2-methyl-2 H -isothiazol-3-one (3:1))
Class : 8
Packing group : III

IMDG

UN-number : 1760

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Update of section :

SAFETY DATA SHEET

Njord Filtration BV



Product : ACTICIDE CMG

Print date : 10.03.2020

Page 5 (5)

Description of the goods : CORROSIVE LIQUID, N.O.S. (mixture of: 5-chloro-2-methyl-2 H – isothiazol-3-one and 2-methyl-2 H -isothiazol-3-one (3:1))

Class : 8

Packing group : III

Marine pollutant : No

15. REGULATORY INFORMATION

Hazardous components which must be listed on the label:

CAS no. 55965-84-9 mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one and 2-methyl-2 H -isothiazol-3-one (3:1)

In the EU, this product falls under the Directive on biocide products 98/8/EC.

16. OTHER INFORMATION

Full text of Risk phrases referred to under sections 2 and 3

- R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed.
- R34 : Causes burns.
- R43 : May cause sensitization by skin contact.
- R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of Hazard statements referred to under sections 2 and 3

- H300 : Fatal if swallowed
- H310 : Fatal in contact with skin
- H314 : Causes severe skin burns and eye damage
- H317 : May cause an allergic skin reaction
- H330 : Fatal if inhaled
- H410 : Very toxic to aquatic life with long lasting effects.
- H412 : Harmful to aquatic life with long lasting effects.

Further information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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.

Note

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