

## **SAFETY DATASHEET**

### **MarineCare A/S**

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24.10.2007

Safety Data Sheet according to Regulation (EC) No. 1907/2006  
MARINECARE NANO SEALER

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### **1. Identification of the substance/preparation and of the company**

Trade name

MARINECARE NANO SEALER

Use of the substance / preparation

Cleaning preparation

Manufacturer / marketer identification

VOSSCHEMIE GmbH

Esinger Steinweg 50

D-25436 Uetersen

Tel. +49-4122/717-0 Fax. +49-4122/717158

Information provided by: Laboratory / Telephone: +49-4122-717-0

+ E-Mail: S.Schaller@vosschemie.de

Emergency information:

Giftinformationen at Bispebjerg Hospital, tlf. 35 31 60 60

### **2. Hazards identification**

May cause sensitization by skin contact.

Contact with skin and eyes may cause irritation.

### **3. Composition/information on ingredients**

Chemical characterization

Description

+ Waterbased mixture of wax and siloxane with naturally occurring siliceous earth.

## Dangerous components

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CAS No. EC No content unit danger symbol R phrases  
Identification according to EEC Directive  
Classification

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64742-48-9 265-150-3 1 - 5 % Xn R10, R65, R66  
Naphtha (petroleum), hydrotreated heavy; Low  
boilingpoint hydrogen treated naphtha

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107-46-0 203-492-7 1 - 5 % F R11  
HEXAMETHYLDISILXANE

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102782-97-8 1 - 5 % Xi R36/38, R43  
Glycidylpolydimethylsiloxane

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Full text of R-Phrases: see under section 16.

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## 4. First aid measures

First aid measures / general indications

Pay attention to self-protection.

Remove contaminated clothes without delay.

In case of unwellness, seek medical advice.

First Aid measures / inhalation

+ Remove concerned person out of danger area

+ Provide for fresh air.

+ Keep him warm and calm.

+ If complaints occur, consult a doctor immediately.

Irregular breathing/no breathing: artificial respiration

In case of unconsciousness place and transport casualty in stable  
position (lying sideways).

First Aid measures / skin contact

Wash off with soap and water, rinse afterwards.

Do not use solvents.

Cleaned skin should be rubbed carefully with ointment.

By complaints consult a physician immediately.

First Aid measures / eye contact

Rinse immediately with plenty of water with eyelid open (for at least 15 minutes), then send for a doctor immediately.

First Aid measures / ingestion

+ Immediately wash mouth out with water.

+ Consult a doctor immediately.

+ Do not induce vomiting.

+ Advice to doctor:

+ Symptomatic treatment

+ After absorbing large amounts of substance: Acceleration of gastrointestinal passage.

## **5. Fire-fighting measures**

Appropriate extinguishing media

+ Sand, alcohol-resistant foam, dry powder, carbon dioxide, ,  
Water fog

Extinguishing media that must not be used for safety reasons

Water beam

Special hazards arising from the product itself, from  
combustion products or from resulting gases

+ The product is not combustible.

Special protective equipment for fire-fighters

Do not inhale combustion gases.

Wear protective clothing and self-contained breathing apparatus.

Additional information

Water, contaminated with extinguishing media, may not enter the  
sewer, collect separately.

Dispose fire remainder and contaminated quenching water in  
accordance with local administrative provisions.

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## **6. Accidental release measures + Personal precautions**

Risk of slipping. Take up immediately.

Observe safety regulations (see section 7 and section 8).

Keep away persons not involved.

Environmental precautions

Do not allow to enter the ground, natural waters or the drain.

If rivers, lakes or waste water lines are contaminated, notify the responsible authorities in accordance with the local laws.

Methods for cleaning up/taking up

- + Bring the flow out under control.
- + Pick up with help of a non-combustible, absorbent material (e.g. sand, earth, kieselguhr, general-purpose binder).

Notice section 8.

Dispose of waste material in accordance with the regulations, as described under section 13.

## 7. Handling and storage

### Handling

Advice on safe handling

Avoid contact with eyes, skin and clothing.

Avoid breathing vapours

Ensure that there is adequate ventilation in the working area, local exhaust recommended.

- + Advice on protection against fire and explosion
- + no special precautionary measures

### Storage

Requirements for storage rooms and vessels

Keep only in original container.

Keep container tightly closed, in a cool, well ventilated place.

- + Advice on storage compatibility
- + Keep separated from strong acidic and alkaline substances and oxidizing agents.

Keep away from food, drink and animal food.

Further information on storage conditions

- + Store at temperatures between +5°C and +30°C
- + Protect against heat and direct sunlight.

Protect from frost

## 8. Exposure controls/personal protection

Components for which limit values for exposure at the place of work exist.

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Identification according to EEC Directive  
CAS No EC No limit value

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Naphtha (petroleum), hydrotreated heavy; Low boilingpoint  
hydrogen treated naphtha  
64742-48-9 265-150-3 MAK-Grenzwert 100 ppm  
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Personal protection

Respiratory protection

Provide good ventilation.

Respiratory protection is required when limit values are exceeded.

Use self contained air breathing equipment or filter respirator (for short time use only)

Recommended: filter type A, colour brown.

Hand protection

Use skin protective barrier cream

Use protective gloves

Recommended:

+ Fluor rubber, 0,4 mm,  $\geq$  480 min.

+ Butyl rubber, 0,5 mm,  $\geq$  480 min.

The resistance of the protective gloves to chemicals should be ascertained with the respective supplier. Specific conditions at workplace should be taken to consideration.

Eye protection

Use tightly fitting safety goggles.

Skin protection

protection clothing

Hygiene measures

Apply a suitable skin protective agent before work.

Do not eat, drink or smoke during work.

Wash hands before pauses and when ending work.

Remove contaminated clothes immediately.

Store working clothes separately.

## 9. Physical and chemical properties

Appearance

Form : viscous liquid

Colour : white

Odour : poor

Security-relevant data

boiling range

Reference value From To

96 - 100 °C

Method:

Flash point: °C

Method : incapable of measurement

Density at: 20°C ca. 1 g/cm<sup>3</sup>

Method :

Solubility in water: miscible

pH value : 20°C ca. 6,5

+ dynamic viscosity at 20 °C

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80 sec

Method : 4mm, DIN 53211

Solvent content: 4 %

## 10. Stability and reactivity

Dangerous reactions

+ Not to be considered if duly stored and manipulated.

+ Incompatible with:

+ strong acidic and alkaline substances

+ oxidizing agents

Hazardous decomposition products

Not to be considered if duly stored and manipulated.

+ In case of fire CO, CO<sub>2</sub>, inorganic dust and water vapour can be formed.

Thermal decomposition

Not to be considered if duly stored and manipulated.

## 11. Toxicological information

General remarks:

The analytical toxicological results presented hereunder have been obtained on products of similar composition. In accordance to the actual state of knowledge this product has neither mutagenic nor carcinogenic or teratogenic effects.

Experience from practice:

The product itself has not been analysed. The preparation is classified in accordance with the conventional method of calculating effects (calculation method specified by the Directive 1999/45/CE) and according to the toxicological effects (pls. refer to section 2 and 15 for detailed information).

Acute toxicity:

Classification relevant LD/LC 50 values:

Exposition value/range of values species source

Oral - not checked

Dermal - not checked

Primary irritant effect:

On the skin: Non-irritating, sensitisation is possible source:

Literature

On the eye: No irritant effect known source: Literature

Sensitisation:

Sensitising effect by skin contact is possible.

Experience in humans: -

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## 12. Ecological information

Information about elimination (persistence and degradability)

Biodegradation / additional information:

The wax compounds are biodegradable.

This preparation has been assessed according to the calculation method of the General EC Classification Guidelines for Preparations (1999/45/EC) and classified as non-hazardous for the environment.

Hydrolysis: This product does not hydrolyse.

Additional information: -

Behaviour in environmental compartments

Additional information:

Bioaccumulation is not probable. Is not allowed to be released into the sewerage.

Ecotoxicological effects:

Following present experiences toxicity to fish is improbable.

LC50 (*Onchorhynchus mykiss*, 96 h) : not checked

LC50 (*Daphnia magna*, 48 h) : not checked

Behaviour in sewage treatment plants (bacterial toxicity:

Respiratory/proliferation inhibition):

In accordance with the actual experience, adverse effects are not to be expected in sewage treatment plants.

Additional information:

General remarks:

If handled and used properly, no adverse ecological effects are to be expected. Avoid release to ground, waters or sewerage.

## 13. Advice on Disposal / product

In accordance with local administrative provisions, take to an appropriate incineration installation,

Waste code no. / name of waste

20 01 29 Reinigungsmittel, die gefährliche Stoffe enthalten

The waste codes quoted are only recommendations. Other waste codes may also be possible with regard to different regional regulations.

14. Transport information

++ gNooond-sh arzeagrudloautsi otrnsa.nsport goods within the meaning of the hazardous  
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## 15. Regulatory information

Labelling

Contains:

+ Epoxy siloxane

Symbol and indication of danger

Xi Irritant

+ R phrases

R 43 May cause sensitization by skin contact

+ S phrases

S 02 Keep out of reach of children

S 24/25 Avoid contact with skin and eyes

S 37 Wear suitable gloves

S 46 If swallowed, seek medical advice immediately and show this container or label.

+ Contains epoxy constituents. See information supplied by the manufacturer.

National regulations (D)

The legal regulations for limited employment, e.g. the law for the protection of youth work and the decree for the legal protection of motherhood, have to be observed.

+ Class of danger to water (WGK):

1 (VwVwS, Anh.2 vom 17.Mai 1999)

Consult the technical leaflets by BG-Chemie (Employment Accident Insurance Fund for the Chemical Industry)

M 004 "Reizende Stoffe / Ätzende Stoffe"

## 16. Other information

Relevant R phrases

R 10 Flammable

R 11 Highly flammable

R 36/38 Irritating to eyes and skin

R 43 May cause sensitization by skin contact

R 65 Harmful: may cause lung damage if swallowed

R 66 Repeated exposure may cause skin dryness or cracking

\* + Data changed compared with the previous version.

Sections where no data are entered indicate that no data are known, or no experience is available. This does not justify the assumption that no danger can arise from the relevant point under consideration.

The information given is based on the current state of our knowledge and experience. The safety datasheet describes products with regard to safety requirements. The data do not represent a guarantee of properties.