

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 11.05.2023

Version 4 (replaces version 3)

Revision: 11.05.2023

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

- **1.1 Product identifier**
- **Trade name: OTTOSEAL S 113**
- **UFI: P4K1-P0K4-D006-6CKE**
- **Application of the substance / the mixture Silicone sealant**
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Hermann Otto GmbH  
Krankenhausstraße 14  
D-83413 Fridolfing  
Tel.: 0049/(0)8684/908-0  
Fax.: 0049/(0)8684/908-1840
- **Further information obtainable from:**  
Tel.: 0049- (0)8684- 908- 2363 ( -4300 )  
E-Mail: alois.parzinger@otto-chemie.de
- **1.4 Emergency telephone number:**  
Tel.: 0049- (0) 89- 192 40 (emergency telephone no.)  
+44 1865 407333 (Carechem 24)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Eye Irrit. 2 H319 Causes serious eye irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms** GHS07
- **Signal word** Warning
- **Hazard statements**  
H319 Causes serious eye irritation.
- **Precautionary statements**

P102	Keep out of reach of children.
P271	Use only outdoors or in a well-ventilated area.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P312	IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
- **Additional information:**  
Contains the active agent biocide 2-octyl-2H-isothiazol-3-one to protect against mould infestation. Contains 3-aminopropyltriethoxysilane, 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.
- **2.3 Other hazards**  
During processing and curing of the material, chemical substances are released into the air (see point 11). Therefore, ensure good room ventilation and, if necessary, exhaust ventilation.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**Description:** Polydimethylsiloxane, filler, auxiliaries and oximosilane crosslinker

#### Dangerous components:

CAS: 37859-55-5 ELINCS: 484-460-1 Reg.nr.: 01-2120004323-76-xxxx	2-Pentanone, O,O',O''-(methylsilyldi)trioxime ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319	<5%
CAS: 119299-06-8	Polydimethylsiloxan, Reaktionsprodukt mit N-(3-(Trimethoxysilyl)propyl)cyclohexanamin ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	<2.5%
CAS: 919-30-2 EINECS: 213-048-4 Reg.nr.: 01-2119480479-24-XX	3-aminopropyltriethoxysilane ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Skin Sens. 1B, H317 Specific concentration limit: Skin Sens. 1B; H317: C ≥ 3 %	<1%
CAS: 26530-20-1 EINECS: 247-761-7	2-octyl-2H-isothiazol-3-one ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; ⚠ Skin Corr. 1, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); ⚠ Skin Sens. 1A, H317, EUH071 ATE: LD50 oral: 125 mg/kg LD50 dermal: 311 mg/kg LC50/4 h inhalative: 0.27 mg/l Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	<0.1%

**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

##### After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

##### After skin contact

Immediately 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 a doctor.

##### After swallowing

Do not induce vomiting; call for medical help immediately. Show container or label.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing agents

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

#### 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

#### 5.3 Advice for firefighters

##### Protective equipment:

Mount respiratory protective device.

Do not inhale explosion gases or combustion gases.

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### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to item 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**  
Ensure good ventilation/exhaustion at the workplace.  
see item 8: Personal protective equipment
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- **Additional information:**  
The lists valid during the making were used as basis.  
Reaction product 2-Pentanoneoxime CAS: 623-40-5  
DNEL (Data for WORKERS)  
INHALATION Exposure  
Systemic Effects  
Long-term: (DNEL) 8,3 mg/m<sup>3</sup>  
Acute/ short term: (DNEL) 24,9 mg/m<sup>3</sup>  
Source: ECHA
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures are to be adhered to when handling chemicals.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e.type ABEK according to standard EN 14387) is used.
- **Hand protection** Protective gloves.
- **Material of gloves**  
Natural rubber, NR  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.  
Recommended glove types: nitrile rubber  
Recommended thickness of the material: >0,4 mm
- **Penetration time of glove material** Breakthrough time: 10 - 30 min
- **Eye/face protection** Safety glasses

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· **Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

· **Physical state**

Solid.

· **Colour:**

According to product specification

· **Odour:**

Characteristic

· **Melting point/freezing point:**

undetermined

· **Boiling point or initial boiling point and boiling range**

undetermined

· **Lower and upper explosion limit**· **Lower:**

not applicable

· **Upper:**

not applicable

· **Flash point:**

Not applicable

· **Decomposition temperature:**

Not determined.

· **pH**

Not determined.

· **Viscosity:**

Not determined.

· **Solubility**· **Water:**

Insoluble

· **Partition coefficient n-octanol/water (log value)**

Not determined.

· **Vapour pressure:**

Not determined.

· **Density and/or relative density**· **Density:**

see technical data sheet

· **Relative density**

Not determined.

· **Vapour density**

Not applicable.

· **Particle characteristics**

undetermined

#### · 9.2 Other information

· **Form:**

pasty

· **Auto-ignition temperature:**

Product is not selfigniting.

· **Explosive properties:**

Product does not present an explosion hazard.

· **Information with regard to physical hazard classes**· **Aerosols**

Void

· **Flammable liquids**

Void

### SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.· **10.2 Chemical stability**· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

Avoid strong heating.

· **10.3 Possibility of hazardous reactions** No dangerous reactions known· **10.6 Hazardous decomposition products:**

Tests on representative products have shown that above temperatures of 150° C small quantities of formaldehyde are split off.

see item 5.2

### SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**· **Acute toxicity** Based on available data, the classification criteria are not met.

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· **LD/LC50 values relevant for classification:**

**37859-55-5 2-Pentanone, O,O',O''-(methylsilyldiyl)trioxime**

Oral LD50 1,234 mg/kg (rat)

**919-30-2 3-aminopropyltriethoxysilane**

Oral LD50 1,570 mg/kg (rat)

Dermal LD50 4,290 mg/kg (rab)

**26530-20-1 2-octyl-2H-isothiazol-3-one**

Oral LD50 125 mg/kg (ATE)

Dermal LD50 311 mg/kg (ATE)

Inhalative LC50/4 h 0.27 mg/l (ATE)

· **Serious eye damage/irritation** Causes serious eye irritation.

· **Respiratory or skin sensitisation**

dermal: not sensitizing

Source: test report OECD 406

Test report according to OECD Guideline 406 (Guinea Pigs)

· **STOT-single exposure** Based on available data, the classification criteria are not met.

· **Other information (about experimental toxicology):**

During the application of the product 2-Pentanoxim (CAS: 623-40-5) is released. 2-Pentanoxim is harmful if swallowed, causes serious eye irritation, may cause damage to organs through prolonged or repeated exposure and is harmful to aquatic life with long lasting effects.

· **Additional toxicological information:**

**26530-20-1 2-octyl-2H-isothiazol-3-one**

Oral Acute toxicity estimate (ATE mix) 125 mg/kg (rat)

Dermal Acute toxicity estimate (ATE mix) 311 mg/kg (rat)

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

## SECTION 12: Ecological information

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Additional ecological information:**

· **General notes:**

Do not allow product to reach ground water, water course or sewage system.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

## SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Observe local by-laws.

Already cured material can be disposed of with the domestic or commercial waste. Unconsumed material (fluid, paste-like) is to dispose of as hazardous waste.

· **Uncleaned packaging:**

· **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

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Packagings that may not be cleansed are to be disposed of in the same manner as the product.

#### **SECTION 14: Transport information**

- **14.1 UN number or ID number**  
· **ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**  
· **ADR, ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**  
· **ADR, ADN, IMDG, IATA**  
· **Class** Void
- **14.4 Packing group**  
· **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:**  
· **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **UN "Model Regulation":** Void

#### **SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Details of international registration status:**  
**Listed on or in accordance with the following inventories:**  
 UK REACH - Europe listed  
 AICS - Australia not listed  
 DSL - Canada not listed  
 IECSC - China not listed  
 ENCS - Japan not listed  
 NZIoC - New Zealand not listed  
 PICCS - Philippines not listed  
 ECL - Korea not listed  
 TSCA - USA not listed  
 TCSI - Taiwan not listed
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- **Relevant phrases**  
 H301 Toxic if swallowed.  
 H302 Harmful if swallowed.  
 H311 Toxic in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.

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H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H330 Fatal if inhaled.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 EUH071 Corrosive to the respiratory tract.

· **Department issuing SDS:** Tel.: 0049- (0)8684- 908- 2363

· **Contact:** Tel.: 0049- (0)8684- 908- 2363 ( -4300 )

· **Abbreviations and acronyms:**

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

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

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. 1A: Skin sensitisation – Category 1A

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

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

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