

# Safety data sheet

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

Printing date 19.12.2022

Version 5 (replaces version 4)

Revision: 19.12.2022

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

- **1.1 Product identifier**
- **Trade name:** OTTOSEAL S 120
- **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:**  
+44 1865 407333 (Carechem 24)  
Tel.Nr.: 0049(0)8684- 908- 2363 (during our office hours)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified, according to the GB CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**  
Ensure good ventilation during application and curing.  
Contains the active agent biocide 2-octyl-2H-isothiazol-3-one to protect against mould infestation.  
Keep out of the reach of children.  
Avoid contact with skin.  
Contains trimethoxyvinylsilane, N-(3-(trimethoxysilyl)propyl)ethylenediamine, 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.  
Safety data sheet available on request.
- **2.3 Other hazards**  
During the application and curing process of the material chemicals are released as vapour (see item 11). Therefore ensure good ventilation or exhaustion if necessary.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
  - **Description:** Polydimethylsiloxane, filler, auxiliaries, alkoxysilane crosslinker
  - **Dangerous components:**
- |  |  |       |
|--|--|-------|
| CAS: 2768-02-7   | trimethoxyvinylsilane                                  | <2.5% |
| EINECS: 220-449-8  | ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332; Skin Sens. |       |
| Reg.nr.: 01-2119513215-52-xxxx                             | 1B, H317   |       |
| Specific concentration limit: Skin Sens. 1B; H317: C ≥ 5 % |  |       |

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	Aminofunktionelles Oligosiloxan	<2.5%
	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	<1%
EINECS: 217-164-6	⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411;	
Reg.nr.: 01-2119970215-39-xxxx	⚠ Acute Tox. 4, H332; Skin Sens. 1, H317	
	Specific concentration limits: Eye Irrit. 2; H319: C ≥ 2.5 %	
	Skin Sens. 1; H317: C ≥ 6 %	
CAS: 870-08-6	dioctyltin oxide	<1%
EINECS: 212-791-1	⚠ STOT SE 2, H371	
CAS: 26530-20-1	2-octyl-2H-isothiazol-3-one	<0.1%
EINECS: 247-761-7	⚠ 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 %	

· **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.

### 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.

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- **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:**
- **CAS No. Designation of material % Type Value Unit**
- **Additional Occupational Exposure Limit Values for possible hazards during processing:**
- **64-17-5 ethanol**  
WEL Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm
- **67-56-1 methanol**  
WEL Short-term value: 333 mg/m<sup>3</sup>, 250 ppm  
Long-term value: 266 mg/m<sup>3</sup>, 200 ppm  
Sk
- **Additional information:** The lists valid during the making were used as basis.
- **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**  
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
- **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

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· <b>Odour:</b>	Characteristic
· <b>Melting point/freezing point:</b>	undetermined
· <b>Boiling point or initial boiling point and boiling range</b>	Not applicable.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	not applicable
· <b>Upper:</b>	not applicable
· <b>Flash point:</b>	Not applicable
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH</b>	Not applicable.
· <b>Viscosity:</b>	Not determined.
· <b>Solubility</b>	
· <b>Water:</b>	Insoluble
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure:</b>	Not applicable.
· <b>Density and/or relative density</b>	
· <b>Density:</b>	see technical datasheet
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not applicable.
· <b>Relative gas density</b>	undetermined
· <b>9.2 Other information</b>	
· <b>Form:</b>	pasty
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Information with regard to physical hazard classes</b>	
· <b>Aerosols</b>	Void
· <b>Flammable liquids</b>	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**
  - **LD/LC50 values relevant for classification:**
- 
- 2768-02-7 trimethoxyvinylsilane**
- |            |          |                   |
|------------|----------|-------------------|
| Oral       | LD50     | 7,100 mg/kg (rat) |
| Dermal     | LD50     | 3,200 mg/kg (rab) |
| Inhalative | LC50/4 h | 16.8 mg/l (rat)   |

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**1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine**

Oral LD50 2,995 mg/kg (rat)

Dermal LD50 &gt;2,000 mg/kg (rab)

**870-08-6 dioctyltin oxide**

Oral LD50 2,500 mg/kg (rat)

**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)

**Respiratory or skin sensitisation**

dermal: not sensitizing

Source: test report OECD 406

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

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

Ethanol is released upon contact with water (humidity). According to literature, ethanol (67-17-5) irritates the mucous membranes, slightly irritates the skin, degreases the skin, is narcotic and may cause liver damage.

Product hydrolyses under formation of methanol (CAS no. 67-56-1). Methanol is toxic by inhalation, in contact with skin and if swallowed. Methanol causes damage to organs. Methanol is highly flammable. Inhalation of aerosol spray may damage health.

**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**

870-08-6 dioctyltin oxide: List II

## SECTION 12: Ecological information

**12.2 Persistence and degradability**

- **Other information:** Product is not biodegradable.

**12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

**12.6 Endocrine disrupting properties**

For information on endocrine disrupting properties see section 11.

**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 1 (German Regulation) (Self-assessment): slightly 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.

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- **Uncleaned packaging:**
- **Recommendation:**  
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.  
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**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly 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 listed  
ENCS - Japan not listed  
NZIoC - New Zealand listed  
PICCS - Philippines listed  
ECL - Korea listed  
TSCA - USA 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.

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· **Relevant phrases**

H226 Flammable liquid and vapour.  
 H301 Toxic if swallowed.  
 H311 Toxic in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H330 Fatal if inhaled.  
 H332 Harmful if inhaled.  
 H371 May cause damage to organs.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H411 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

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 2: Acute toxicity – Category 2

Acute Tox. 4: Acute toxicity – Category 4

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

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. 1: Skin sensitisation – Category 1

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

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

STOT SE 2: Specific target organ toxicity (single 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 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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