

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version 6 (replaces version 5)

Revision: 27.02.2023

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

- **1.1 Product identifier**
- **Trade name:** OTTOSEAL S 100
- **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**
The product is not classified, according to the GB CLP regulation.
- **Additional information:**
Based on practical tests, the product is not classified for chronic aquatic toxicity.
- **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 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:**
540-97-6 dodecamethylcyclohexasiloxane
- **vPvB:**
540-97-6 dodecamethylcyclohexasiloxane

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
 - **Description:** Polydimethylsiloxane, filler, auxiliaries and acetoxysilane crosslinker
 - **Dangerous components:**
- | | | |
|--------------------------------|---|-----|
| CAS: 17689-77-9 | ethyltriacetoxysilane | <5% |
| EINECS: 241-677-4 | ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302, EUH014 | |
| Reg.nr.: 01-2119881778-15-xxxx | Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % | |
| | Eye Irrit. 2; H319: C ≥ 5 % | |

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CAS: 540-97-6 EINECS: 208-762-8 Reg.nr.: 01-2119517435-42-xxxx	dodecamethylcyclhexasiloxane Non-classified vPvB substance. Non-classified PBT substance. Substance identified as having endocrine disrupting properties (II).	<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%

· **SVHC**

540-97-6 dodecamethylcyclhexasiloxane

· **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**
- **General information** Take affected persons out into the fresh air.
- **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**
CO₂, 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**
Wear protective equipment. Keep unprotected persons away.
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:**
- **DNELs**

- **17689-77-9 ethyltriacetoxysilane**
- Inhalative Worker, local (long term) 32.5 mg/m³ (rat)
- Consumer, local (acute) 65 mg/m³ (rat)
- Consumer, local (long term) 10.8 mg/m³ (rat)
- **CAS No. Designation of material % Type Value Unit**
- **Additional Occupational Exposure Limit Values for possible hazards during processing:**

- **64-19-7 acetic acid**
- OEL Short-term value: 50 mg/m³, 20 ppm
Long-term value: 25 mg/m³, 10 ppm
- WEL Short-term value: 50 mg/m³, 20 ppm
Long-term value: 25 mg/m³, 10 ppm
- **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.

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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:	Pungent
· Melting point/freezing point:	undetermined
· Boiling point or initial boiling point and boiling range	Not applicable.
· Lower and upper explosion limit	
· Lower:	not applicable
· Upper:	not applicable
· Flash point:	Not applicable
· Decomposition temperature:	Not determined.
· pH	Not applicable.
· Viscosity:	Not determined.
· Solubility	
· Water:	Insoluble
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not applicable.
· Density and/or relative density	
· Density:	see technical datasheet
· Relative density	Not determined.
· Vapour density	Not applicable.
· Relative gas density	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.
- **10.6 Hazardous decomposition products:**
Ethanoic acid
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:**

- **17689-77-9 ethyltriacetoxysilane**

- Oral LD50 1,460 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)

- **Skin corrosion/irritation**

- not irritating

- Source: ECHA

- Test in accordance with: OECD Guideline 404 (rabbit).

- Based on available data, the classification criteria are not met.

- **Serious eye damage/irritation**

- not irritating

- Source: ECHA

- Test in accordance with: OECD Guideline 405 (rabbit).

- Based on available data, the classification criteria are not met.

- **Respiratory or skin sensitisation**

- dermal: not sensitizing

- Source: test report OECD 406

- Test report according to OECD Guideline 406 (Guinea Pigs)

- Based on available data, the classification criteria are not met.

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

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

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

- **Aspiration hazard** Based on available data, the classification criteria are not met.

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

- In curing the material splits off acetic acid as damp. This may cause irritating effects to skin, eyes or respiratory system.

- **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**

- 540-97-6 dodecamethylcyclohexasiloxane: 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:**

- 540-97-6 dodecamethylcyclohexasiloxane

- **vPvB:**

- 540-97-6 dodecamethylcyclohexasiloxane

- **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.

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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.

· 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

· National regulations

· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Substances of very high concern (SVHC) according to UK REACH**

540-97-6 dodecamethylcyclohexasiloxane

· Details of international registration status:

Listed on or in accordance with the following inventories:

UK REACH - Europe listed

AICS - Australia listed

DSL - Canada listed

IECSC - China listed

ENCS - Japan not listed

NZIoC - New Zealand listed

PICCS - Philippines listed

ECL - Korea listed

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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.

· **Relevant phrases**

H301 Toxic if swallowed.
 H302 Harmful if swallowed.
 H311 Toxic in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H330 Fatal if inhaled.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 EUH014 Reacts violently with water.
 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)

DNEL: Derived No-Effect Level (UK REACH)

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

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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

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.**