

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.03.2022

Version 5 (replaces version 4)

Revision: 14.03.2022

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

- **1.1 Product identifier**
- **Trade name: OTTOSEAL S 110**
- **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 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 3-aminopropyltriethoxysilane, 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 and oximosilane crosslinker
 - **Dangerous components:**
- | | | |
|--------------------------------|--|-------|
| CAS: 37859-55-5 | 2-Pentanone, O,O',O''-(methylsilylidyne) | <2.5% |
| ELINCS: 484-460-1 | trioxime | |
| Reg.nr.: 01-2120004323-76-xxxx | ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319 | |
| | | |
| CAS: 58190-62-8 | 2-Pentanone,0,0',0''-(ethenylsilylidyne) | <2.5% |
| EC number: 700-810-0 | trioxime | |
| Reg.nr.: 01-2120006148-66-xxxx | ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319 | |

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.03.2022

Version 5 (replaces version 4)

Revision: 14.03.2022

Trade name: OTTOSEAL S 110

(Contd. of page 1)

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 %

≥0.1-<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 %

≥0.00025-<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**

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

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.

GB

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.03.2022

Version 5 (replaces version 4)

Revision: 14.03.2022

Trade name: OTTOSEAL S 110

(Contd. of page 2)

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/m³

Acute/ short term: (DNEL) 24,9 mg/m³

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

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

Fluid

Colour:

According to product specification

Odour:

Characteristic

Odour threshold:

Not determined.

Melting point/freezing point:

undetermined

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.03.2022

Version 5 (replaces version 4)

Revision: 14.03.2022

Trade name: OTTOSEAL S 110

(Contd. of page 3)

· 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
· Auto-ignition temperature:	Product is not selfigniting.
· 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 datasheet
· Vapour density	Not applicable.
· 9.2 Other information	
· Appearance:	
· Form:	pasty
· Important information on protection of health and environment, and on safety.	
· Explosive properties:	Product does not present an explosion hazard.
· Change in condition	
· Softening point/range	
· Oxidising properties	Not determined.
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	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.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.03.2022

Version 5 (replaces version 4)

Revision: 14.03.2022

Trade name: OTTOSEAL S 110

(Contd. of page 4)

· **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:**

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

Oral LD50 1,234 mg/kg (rat)

58190-62-8 2-Pentanone,0,0',0''-(ethenylsilylidyne)trioxime

Oral LD50 1,000-2,000 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)

· **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**

540-97-6 dodecamethylcyclohexasiloxane: List II

870-08-6 dioctyltin oxide: List II

SECTION 12: Ecological information

· **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.

GB

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.03.2022

Version 5 (replaces version 4)

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Trade name: OTTOSEAL S 110

(Contd. of page 5)

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.

· Details of international registration status:

Listed on or in accordance with the following inventories:

NZIoC - New Zealand not listed

REACH - Europe listed

IECSC - China not listed

AICS - Australia not listed

DSL - Canada not listed

ENCS - Japan 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.

GB

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.03.2022

Version 5 (replaces version 4)

Revision: 14.03.2022

Trade name: OTTOSEAL S 110

(Contd. of page 6)

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.
 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:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 ICAO: International Civil Aviation Organisation
 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
 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.**

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