

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.10.2022

Version 3 (replaces version 2)

Revision: 20.10.2022

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

- **1.1 Product identifier**
- **Trade name:** **OTTOSEAL S 50**
- **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.
- **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.
 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 acetoxysilane crosslinker*
- **Dangerous components:**

CAS: 68855-24-3	benzene, C14-30-alkyl derivs.	<25%
EINECS: 272-472-8	Aquatic Chronic 4, H413	

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.10.2022

Version 3 (replaces version 2)

Revision: 20.10.2022

Trade name: OTTOSEAL S 50

(Contd. of page 1)

CAS: 17689-77-9 EINECS: 241-677-4 Reg.nr.: 01-2119881778-15-xxxx	ethyltriacetoxysilane ⚠ Skin Corr. 1A, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302, EUH014, EUH071 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Dam. 1; H318: C ≥ 5 % Eye Irrit. 2; H319: 5 % ≤ C < 5 %	<2.5%
CAS: 4253-34-3 EINECS: 224-221-9 Reg.nr.: 01-2119962266-32-xxxx	methylsilanetriyl triacetate ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302, EUH014 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Dam. 1; H318: C ≥ 5 % Eye Irrit. 2; H319: 5 % ≤ C < 5 %	<2.5%
	Oligomere Ethyl- und Methylacetoxysilane ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318 Specific concentration limits: Skin Corr. 1; H314: C ≥ 5 % Skin Corr. 1A; H314: 5 % ≤ C < 5 % Skin Corr. 1B; H314: 5 % ≤ C < 5 % Skin Corr. 1C; H314: 5 % ≤ C < 5 % Skin Irrit. 2; H315: 5 % ≤ C < 5 % Eye Dam. 1; H318: C ≥ 5 % Eye Irrit. 2; H319: 5 % ≤ C < 5 %	<2.5%

· **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.

(Contd. on page 3)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.10.2022

Version 3 (replaces version 2)

Revision: 20.10.2022

Trade name: OTTOSEAL S 50

(Contd. of page 2)

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.

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:**
- 64-19-7 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

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.10.2022

Version 3 (replaces version 2)

Revision: 20.10.2022

Trade name: OTTOSEAL S 50

(Contd. of page 3)

· **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:	Clear
· 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:	undetermined
· 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
· Relative density	Not determined.
· Vapour density	Not applicable.

· 9.2 Other information

· Form:	pasty
· Auto-ignition temperature:	Not determined.
· Explosive properties:	Not determined.

· 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:

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

see item 5.2

GB

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.10.2022

Version 3 (replaces version 2)

Revision: 20.10.2022

Trade name: OTTOSEAL S 50

(Contd. of page 4)

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:**
-
- 68855-24-3 benzene, C14-30-alkyl derivs.**
 Oral LD50 >5,000 mg/kg (rat)
 Dermal LD50 >3,000 mg/kg (rab)
- 17689-77-9 ethyltriacetoxysilane**
 Oral LD50 1,460 mg/kg (rat)
- **Skin corrosion/irritation**
 not irritating
 Source: ECHA
 Test in accordance with: OECD Guideline 404 (rabbit).
 - **Serious eye damage/irritation**
 not irritating
 Source: ECHA
 Test in accordance with: OECD Guideline 405 (rabbit).
 - **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.
- **11.2 Information on other hazards**
 - **Endocrine disrupting properties**
-
- None of the ingredients is listed.

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**
 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 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.

GB

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 20.10.2022

Version 3 (replaces version 2)

Revision: 20.10.2022

Trade name: OTTOSEAL S 50

(Contd. of page 5)

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, 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:** Not applicable.
- **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 listed
- DSL - Canada listed
- IECSC - China not listed
- ENCS - Japan listed
- NZIoC - New Zealand listed
- PICCS - Philippines not listed
- ECL - Korea not listed
- TCSI - Taiwan listed
- TSCA - USA 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**
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H413 May cause long lasting harmful effects to aquatic life.
- 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)

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: OTTOSEAL S 50

(Contd. of page 6)

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. 4: Acute toxicity – Category 4

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

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

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

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

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

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

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