

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2024

Version 4 (replaces version 3)

Revision: 10.04.2024

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

- **1.1 Product identifier**
- **Trade name:** **OTTOSEAL S 25**
- **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.
EUH210 Safety data sheet available on request.
- **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.
- **Determination of endocrine-disrupting properties**
This product does not contain components that are endocrine disruptors according to UK REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
 - **Description:** Polydimethylsiloxane, filler, auxiliaries and acetoxysilane crosslinker
 - **Dangerous components:**
- | | | |
|--------------------------------|--|-------|
| CAS: 17689-77-9 | ethyltriacetoxysilane | <2.5% |
| 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 % | |
|
 | | |
| CAS: 4253-34-3 | methylsilanetriyl triacetate | <2.5% |
| EINECS: 224-221-9 | ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302, EUH014 | |
| Reg.nr.: 01-2119962266-32-xxxx | Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 %
Eye Irrit. 2; H319: C ≥ 5 % | |

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2024

Version 4 (replaces version 3)

Revision: 10.04.2024

Trade name: OTTOSEAL S 25

(Contd. of page 1)

· **Additional information**

For the wording of the listed hazard phrases refer to section 16.

Particulate raw materials with risk of inhalation are inextricably bound in the product and therefore does not trigger classification of the product for inhalation hazards. Due to the product's physical properties, particulate inhalation exposure is not possible.

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 section 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.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2024

Version 4 (replaces version 3)

Revision: 10.04.2024

Trade name: OTTOSEAL S 25

(Contd. of page 2)

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/m ³ (rat)
--------------------------------------	------------------------------

Consumer, local (acute)	65 mg/m ³ (rat)
-------------------------	----------------------------

Consumer, local (long term)	10.8 mg/m ³ (rat)
-----------------------------	------------------------------

4253-34-3 methylsilanetriyl triacetate

Dermal Worker, systemic (long term)	14.5 mg/kg/Tag (rat)
-------------------------------------	----------------------

Consumer, systemic (long term)	7.2 mg/kg/Tag (rat)
--------------------------------	---------------------

Inhalative Worker, systemic (long term)	25 mg/m ³ (rat)
---	----------------------------

Consumer, local (long term)	5.1 mg/m ³ (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/m ³ , 20 ppm
-----------------------	-------------------------------

Long-term value:	25 mg/m ³ , 10 ppm
------------------	-------------------------------

WEL Short-term value:	50 mg/m ³ , 20 ppm
-----------------------	-------------------------------

Long-term value:	25 mg/m ³ , 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 section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.

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:

Red-brown

Odour:

Pungent

Melting point/freezing point:

undetermined

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2024

Version 4 (replaces version 3)

Revision: 10.04.2024

Trade name: OTTOSEAL S 25

(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
- **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
- **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.
- **LD/LC50 values relevant for classification:**
- 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).
- Based on available data, the classification criteria are not met.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2024

Version 4 (replaces version 3)

Revision: 10.04.2024

Trade name: OTTOSEAL S 25

(Contd. of page 5)

- **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**
- **Poisons Act**
- **Regulated explosives precursors**
None of the ingredients is listed.
- **Regulated poisons**
None of the ingredients is listed.
- **Reportable explosives precursors**
None of the ingredients is listed.
- **Reportable poisons**
None of the ingredients is listed.
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients is listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
None of the ingredients is listed.
- **Regulation (EC) No 273/2004 on drug precursors**
None of the ingredients is listed.
- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
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 listed
- IECSC - China listed
- ENCS - Japan not listed
- PICCS - Philippines listed
- NZIoC - New Zealand not listed
- ECL - Korea listed
- TSCA - USA listed

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.04.2024

Version 4 (replaces version 3)

Revision: 10.04.2024

Trade name: OTTOSEAL S 25

(Contd. of page 6)

TCSI - Taiwan 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 Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· Relevant phrases

H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 EUH014 Reacts violently with water.

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

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

· **Date of previous version:** 20.10.2022

· **Version number of previous version:** 3

· 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. 4: Acute toxicity – Category 4

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

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

gb