

# Safety data sheet

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

Printing date 14.02.2017

Version 2

Revision: 14.02.2017

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

- **1.1 Product identifier**
- **Trade name:** **OTTOSEAL S 28**
- **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)8684/908-539*
- **Further information obtainable from:**  
*Tel.: 0049- (0)8684- 908- 641 ( -460 )  
 E-Mail: alois.parzinger@otto-chemie.de*
- **1.4 Emergency telephone number:** *Tel.: 0049- (0) 89- 192 40 (emergency telephone no.)*

### 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.  
 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 Chemical characterisation: Mixtures**
- **Description:** *Polydimethylsiloxane, filler, auxiliaries and acetoxy crosslinker*
- **Dangerous components:**

CAS: 17689-77-9	<i>ethyltriacetoxysilane</i>	< 2.5%
EINECS: 241-677-4	<i>⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302</i>	
CAS: 4253-34-3	<i>methylsilanetriyl triacetate</i>	< 2.5%
EINECS: 224-221-9	<i>⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302</i>	
CAS: 160738-91-0	<i>Oligomere und Polymere von Methyltriacetoxysilan</i>	< 2.5%
	<i>⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318</i>	
- **Additional information** *For the wording of the listed hazard phrases refer to section 16.*

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### 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.

#### · 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

· Additional information about design of technical facilities: No further data; see item 7.

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- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- 64-19-7 acetic acid**
- OEL Short-term value: 37 mg/m<sup>3</sup>, 15 ml/m<sup>3</sup>
- Long-term value: 25 mg/m<sup>3</sup>, 10 ml/m<sup>3</sup>
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **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.
- **Protection of hands:** 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:  $\geq 0.1$  mm
- **Penetration time of glove material** Breakthrough time: > 120 min
- **Eye 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**
- **Appearance:**
- Form:** pasty
- Colour:** According to product specification
- **Odour:** Pungent
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
- Melting point/freezing point:** undetermined
- Initial boiling point and boiling range:** undetermined
- **Flash point:** Not applicable
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**
- Lower:** not applicable
- Upper:** not applicable
- **Oxidising properties** Not determined.
- **Vapour pressure:** Not determined.
- **Density at 20 °C:** 1.03 g/cm<sup>3</sup>
- **Vapour density** Not determined.
- **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with**
- Water:** Insoluble

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- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:** Not determined.

### 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

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **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).
- **Respiratory or skin sensitisation** 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.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

### SECTION 12: Ecological information

- **12.2 Persistence and degradability**
- **Other information:** Product is not biodegradable.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow product to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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### 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

· 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 Transport in bulk according to Annex II of Marpol and the IBC Code

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:

EINECS - Europe listed

AICS - Australia listed

DSL/NDSL - Canada listed

IECSC - China listed

ENCS - Japan not listed

NZIoC - New Zealand not listed

PICCS - Philippines listed

ECL/KECI - Korea listed

TSCA - USA listed

NECI - Taiwan not listed

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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### **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.

· **Department issuing SDS:** Tel.: 0049- (0)8684- 908- 641

· **Contact:** Tel.: 0049- (0)8684- 908- 641 ( -460 )

· **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 européen sur le transport 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)*

*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*

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

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

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

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