

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.08.2011

Revision: 16.08.2011






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

- **Product identifier**
- **Trade name:** OTTOSEAL S 34
- **Application of the substance / the preparation** Silicone sealant
- **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
- **Emergency telephone number:** Tel.: 0049- (0)89- 192 40 (emergency telephone no.)

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** not applicable
- **Information concerning particular hazards for human and environment:**
Preparation is not hazardous in terms of directive 1999/45/EU.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Special labelling of certain preparations:**
Contains mixture of butanone oximosilanes and butanone oxime. May produce an allergic reaction.
Ensure good ventilation during application and curing.
Safety data sheet available for professional user on request.
- **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.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
 - **Description:** Polydimethylsiloxane, filler, auxiliaries and oximosilane crosslinker
 - **Dangerous components:**
- | | | |
|-------------------|---|--------|
| CAS: 22984-54-9 | butan-2-one 0,0'0''-(methylsilylidyne)trioxime | < 2.5% |
| EINECS: 245-366-4 |  Xn R21;  Xi R36/38;  Xi R43 | |
| CAS: 37859-57-7 | Oximo Silan | < 2.5% |
| ELINCS: 423-580-0 |  Xn R48/22 R53 | |
| CAS: 128446-60-6 | 3- Aminopropyl (methyl)silsesquioxane, ethoxy- terminiert | < 2.5% |
| |  Xi R36/38 R10 | |

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· **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· **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.
Rinse out mouth and then drink plenty of water in small amounts (if person is conscious).

5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

· **Advice for firefighters**

· **Protective equipment:**

Mount respiratory protective device.
Do not inhale explosion gases or combustion gases.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to item 13.
Pick up mechanically.

· **Reference to other sections** See Section 8 for information on personal protection equipment.

7 Handling and storage

· **Handling**

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.
see item 8: Personal protective equipment

· **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.

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8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- **Additional information:**
The lists valid during the making were used as basis.
Maximum concentration at workplace recommended by producer: methyl ethyl ketoxime (MEKO, CAS: 96-29-7, product of hydrolysis) = 3 ppm .
- **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:**
Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.
- **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.
Fluorocarbon rubber (Viton)
Nitrile rubber, NBR
Natural rubber, NR
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** pasty
 - Colour:** According to product specification
 - Odour:** Characteristic
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C:** 1.16 g/cm³
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
Avoid strong heating.

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- **Hazardous decomposition products:**

Tests on representative products have shown that above temperatures of 150° C small quantities of formaldehyde are split off.
see item 5.3

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **Primary irritant effect:**

- **on the skin:** Irritating effects to skin and mucous membranes possible

- **on the eye:** Irritating effect possible

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

During the application of the product butanone-2-oxime (MEKO) is released. MEKO might affect the mucous membrane of the nose by long time exposition. If MEKO is breathed in high concentrations over a long period (e.g. in case of insufficient ventilation), it might cause irreversible health defects.

After curing the material is odourless and completely harmless.

- **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Product has not been tested. Assessment analogue to a similar product.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **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.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

13 Disposal considerations

- **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.

14 Transport information

- **Land transport ADR/RID (cross-border)**

- **ADR/RID class:** -

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- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Special precautions for user** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

15 Regulatory information

- **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.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**
 - R10 Flammable.
 - R21 Harmful in contact with skin.
 - R36/38 Irritating to eyes and skin.
 - R43 May cause sensitisation by skin contact.
 - R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
 - R53 May cause long-term adverse effects in the aquatic environment.
- **Department issuing MSDS:** Tel.: 0049- (0)8684- 908- 641
- **Contact:** Tel.: 0049- (0)8684- 908- 641 (-460)
- *** Data compared to the previous version altered.**

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