

Material Safety Data Sheet

According to 91/155 EC

Printing date 05.01.2004

Reviewed on 02.01.2004

1 Identification of substance:

- **Product details:**
- **Trade name: OTTOSEAL S 70 (identical with Novasil S 70)**
- **Application of the substance / the preparation** Silicone sealant
- **Manufacturer/Supplier:**
Hermann Otto GmbH
Postfach 20
D-83411 Fridolfing
Tel.: 0049/(0)8684/908-0
Fax.: 0049/(0)8684/908-539
- **Further information obtainable from:** Dep. Technic Tel.: 0049/8684/908-453
- **Information in case of emergency:** Tel.: 0049/8684/908-351

2 Composition/Data on components:

- **Chemical characterization**
 - **Description:** Polydimethylsiloxane, filler, auxiliaries and oximosilane crosslinker
 - **Dangerous components:**
- | | | |
|-------------------|---|--------|
| CAS: 22984-54-9 | butan-2-one 0,0'0''-(methylsilyldyne)trioxime | < 2.5% |
| EINECS: 245-366-4 | ☒ Xn; R 21-36-43 | |
| CAS: 37859-57-7 | Oximo Silan | < 2.5% |
| ELINCS: 423-580-0 | ☒ Xn; R 48/22-53 | |
- **Additional information** For the wording of the listed risk phrases refer to section 16.

3 Hazard identification

- **Hazard description:** not applicable
- **Information concerning to particular hazards to man and environment**
Preparation in not hazardous in terms of directive 1999/45/EU.
Allergic reaction possible (see item 11 and 15).
- **Classification system**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First aid measures

- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **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.
Drink plenty of water.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:**
Mount respiratory protective device.
Do not inhale explosion gases or combustion gases.

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6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Wear protective clothing.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Dispose contaminated material as waste according to item 13.
Pick up mechanically.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **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.

8 Exposure controls and personal protection gear

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
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.
- **Protection of hands:** Protective gloves.
- **Material of gloves:** Butyl rubber, BR
- **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:

- **General Information**

Form:	pasty
Colour:	According to product specification
Odour:	Characteristic
- **Flash point:** Not applicable
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C:** 1.04 g/cm³

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- **Solubility in / Miscibility with Water:** Insoluble

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
Avoid strong heating.
- **Dangerous reactions** Under the effect of humidity, water und protic agents: Butanon-2-oxim
- **Dangerous decomposition products:**
Test have shown that above temperatures of 150° C small quantities of formaldehyde are split off.
see item 5.3

11 Toxicological information

- **Acute toxicity:**
- **Sensitization:**
Sensitization possible through inhalation.
Sensitization possible through skin contact.
- **Other information (about experimental toxicology):**
The material is odourless and completely harmless after curing.
- **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.

12 Ecological information:

- **Information about elimination (persistence and degradability):**
- **Other information:** Product is not biodegradable
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

13 Disposal considerations

- **Product:**
- **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:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

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- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulations

- **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.
- **National regulations**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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 R-phrases**
21 Harmful in contact with skin.
36 Irritating to eyes.
43 May cause sensitisation by skin contact.
48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
53 May cause long-term adverse effects in the aquatic environment.
- **Department issuing MSDS:** Dep. Technic Tel.: 0049/8684/908-453
- **Contact:** Dep. Technic Tel.: 0049/8684/908-453
- * **Data compared to the previous version altered.**