# Material Safety Data Sheet According to 91/155 EEC

Printing date 15.03.2007

Reviewed on 15.03.2007

Identification of substance:         Product details:         Trade name: OTTOSEAL S 70         Application of the substance / the preparation Silicone sealant         Manufacturer/Supplier:         Hermann Otto GmbH         Positiach 20         D-83411 Findoling         Tel:: 0049(0)8684/908-0         Fax:: 0049(0)8684/908-0         Paragrowth (0)8684/908-0         Secondarythic (0)98-192 40 (emergency telephone no.)         Preparition: notase of emergency: Tel:: 0049- (0)8684-908-641 (-460 )         Information in case of emergency: Tel:: 0049- (0)8684-908-641 (-460 )         Description: Polydimethylsiloxane, filler, auxiliaries and oximosilane crosslinker         Dangerous components:         CAS: 2224-33-1       Butanonoximvinylsilan       < 2.5%         EINECS: 218-747-8       Xi; R 373-641-43       < 2.5%         CAS: 2294-54-9       butane-2-one 0.0°'(methyl silvidyne)trioxime       < 2.5%         EINECS: 245-366-66-6       Xi; R 21-36-43          CAS: 2294-54-5       butane-2-	Printing date 15.03.2007	Reviewed on 15.03.2007	
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## 5 Fire fighting measures

· Suitable extinguishing agents CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- **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.

#### 6 Accidental release measures

 Person-related safety precautions: Ensure adequate ventilation See Section 8 for information on personal pro-

See Section 8 for information on personal protection equipment.

 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. see item 8: Personal protective equipment
- · 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.

#### 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 Occupational Exposure Limit Values for possible hazards during processing:
   67-56-1 methanol
  - WEL Short-term value: 333 mg/m<sup>3</sup>, 250 ppm Long-term value: 266 mg/m<sup>3</sup>, 200 ppm Sk
- 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. 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)

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#### Trade name: OTTOSEAL S 70

· Penetration time of glove material

The exact break trough 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

pasty According to product specification Characteristic

Change in condition
 Melting point/Melting range: undetermined
 Boiling point/Boiling range: undetermined

• Flash point: Not applicable

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

1.01 g/cm3

· Density at 20℃:

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 No dangerous reactions known
- · Dangerous decomposition products:

Test have shown that above temperatures of 150°C s mall quantities of formaldehyde are split off. see item 5.3

#### 11 Toxicological information

- · Acute toxicity:
- Primary irritant effect:
- on the skin: Irritating effects to skin and mucous membranes possible
- · on the eye: Irritating effect possible
- · Sensitization:

Sensitizing effect through inhalation is possible by prolonged exposure.

Sensitizing effect by skin contact is possible by prolonged exposure.

• Other information (about experimental toxicology): During the application of the product butanone-2-oxime (MEKO) is released. If MEKO is breathed in 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.

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#### 12 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.

#### 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: -

· 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
- 10 Flammable.
- 21 Harmful in contact with skin.
- 36 *Irritating to eyes.*

36/38 Irritating to eyes and skin.

37/38 Irritating to respiratory system and skin.

- 41 Risk of serious damage to eyes.
- 43 May cause sensitisation by skin contact.

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