

SAFETY DATA SHEET

Silicone Sealant

according to 1907/2006/EC, Article 31

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Printing date 31.10.2007

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

- **PRODUCT NAME:** Silicone Sealant
- **MSDS number:** 2005001
- **Application of the substance / the preparation** Spacings sealent
- **SUPPLIER:**

KGS DIAMOND INTERNATIONAL Industriestraat 2 8018 HG ELBURG Tel. +31 (0) 525 68 33 00 Tel. +31 (0) 525 68 35 30 www.kgsdiamond.com salesnl@kgsdiamond.com	BenB Adhesives Postbus 1273 1700 BG Heerhugowaard Tel. +31 6 15895128 Fax. +31 251 501149 www.benb-adhesives.com info@benb-adhesives.com
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- **Further information obtainable from:** R & D Laboratory
- **Information in case of emergency:**
 See above mentioned address
 During office hours tel.: +31 (0) 183-56-8000. At all other times please contact your national poisoning centre.




2 HAZARDS IDENTIFICATION

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:** Not applicable.
- **Classification system:** The classification is in line with current EC lists. It is extended, by information from technical literature and company information.

3 COMPOSITION/INFORMATION ON INGREDIENTS

- **Chemical characterization**
- **Description:** Silicone Sealant.

· Dangerous components:

CAS: 2768-02-7 EINECS: 220-449-8	trimethoxyvinylsilane	 Xn; R 10-20/22	< 5.0%
CAS: 67-56-1 EINECS: 200-659-6	methanol	 T,  F; R 11-23/24/25-39/23/24/25	≤ 2.5%

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

4 FIRST-AID MEASURES

- **GENERAL INFORMATION:**
Take affected persons out into the fresh air.
- **INHALATION:**
Supply fresh air; consult doctor in case of persisting complaints.
- **SKIN CONTACT:**
Wipe off and wash with water and soap.
- **EYE CONTACT:**
Rinse opened eye for several minutes under running water.
Consult doctor in case of persisting complaints.
- **SWALLOWING:**
Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor. (Contd. on page 2)

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5 FIRE-FIGHTING MEASURES**SUITABLE EXTINGUISHING AGENTS:**

(Contd. of page 1)

CO₂, powder or water spray. Fight larger fires with water spray.
Use fire extinguishing methods suitable to surrounding conditions.

PROTECTIVE EQUIPMENT

No special measures required.

6 ACCIDENTAL RELEASE MEASURES**PERSON-RELATED SAFETY PRECAUTIONS**

Wear protective equipment. Keep unprotected persons away.

MEASURES FOR ENVIRONMENTAL PROTECTION

Do not allow to enter sewers/ surface or ground water.

MEASURES FOR CLEANING/COLLECTING

Disposal of the collected material according to regulations.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional information

See Section 8 for information on personal protection equipment.

No dangerous substances are released.

7 Handling and storage**HANDLING****INFORMATION FOR SAFE HANDLING:**

No special measures required.

INFORMATION ABOUT FIRE - AND EXPLOSION PROTECTION:

Observe general fire precaution rules. Keep ignition sources away - Do not smoke.

STORAGE**REQUIREMENTS TO BE MET BY STOREROOMS AND RECEPTACLES:**

Store product in the original packaging and closed.

Store in a cool location.

INFORMATION ABOUT STORAGE IN ONE COMMON STORAGE FACILITY

Not required.

FURTHER INFORMATION ABOUT STORAGE CONDITIONS

Store in cool, dry conditions in well sealed receptacles.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL FACILITIES**

No further data; see item 7.

· INGREDIENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:**67-56-1 methanol (= 2.5%)**

WEL ()

Short-term value: 333 mg/m³, 250 ppmLong-term value: 266 mg/m³, 200 ppm

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· ADDITIONAL INFORMATION:

The lists valid during the making were used as basis.

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- **Personal protective equipment:**
- **General protective and hygienic measures:**
 The usual precautionary measures are to be adhered to when handling chemicals. (Contd. of page 2)
 Wash hands before breaks and at the end of work.
 Do not eat, drink or smoke while working.
- **Respiratory protection:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves:** Not applicable.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:** Safety glasses are recommended.
- **Body protection:** Protective work clothing

9 PHYSICAL AND CHEMICAL PROPERTIES

• GENERAL INFORMATION	
FORM:	Pasty
COLOUR:	According to product specification
ODOUR:	Characteristic
• CHANGE IN CONDITION	
MELTING POINT/MELTING RANGE:	Undetermined.
BOILING POINT/BOILING RANGE:	Undetermined.
• FLASH POINT:	> 150°C
• SELF-IGNITING:	Product is not selfigniting.
• DANGER OF EXPLOSION:	Product does not present an explosion hazard.
• DENSITY AT 20°C:	1.02 g/cm ³
• SOLUBILITY IN / MISCIBILITY WITH WATER:	Not miscible or difficult to mix.

10 STABILITY AND REACTIVITY

- **THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED:**
 No decomposition if used according to specifications.
- **DANGEROUS REACTIONS:** No dangerous reactions known.
- **DANGEROUS DECOMPOSITION PRODUCTS:** No dangerous decomposition products known.

11 TOXICOLOGICAL INFORMATION

- **ACUTE TOXICITY:**

• LD/LC50 VALUES RELEVANT FOR CLASSIFICATION:		
67-56-1 methanol		
Oral	LD50	13000 mg/kg (rat)

- **PRIMARY IRRITANT EFFECT:**
- **ON THE SKIN:** No irritant effect.
- **ON THE EYE:** No irritating effect.
- **SENSITIZATION:** No sensitizing effects known.

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Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. (Contd. of page 3)
 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:** The product is difficultly biodegradable.

· GENERAL NOTES:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 DISPOSAL CONSIDERATIONS

· PRODUCT:
· RECOMMENDATION

Can be disposed of with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

· EUROPEAN WASTE CATALOGUE

08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

· UNCLEANNED PACKAGING:

· **RECOMMENDATION:** Can be disposed of in accordance with official local regulations.

14 TRANSPORT INFORMATION

· LAND TRANSPORT ADR/RID (CROSS-BORDER)

· ADR/RID CLASS:	-
· REMARKS:	No hazardous product

· MARITIME TRANSPORT IMDG:

· IMDG CLASS:	-
· MARINE POLLUTANT:	No
· REMARKS:	No hazardous product

· AIR TRANSPORT ICAO-TI AND IATA-DGR:

· ICAO/IATA CLASS:	-
· REMARKS:	No hazardous product

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15 REGULATORY INFORMATION

· **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). (Contd. of page 4)

· **SPECIAL LABELLING OF CERTAIN PREPARATIONS:**

Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.

Safety data sheet available for professional user on request.

· **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.

11 Highly flammable.

20/22 Harmful by inhalation and if swallowed.

23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

· **DEPARTMENT ISSUING MSDS:** R & D Laboratory

· **CONTACT:** Manager R & D Laboratory

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