

**Safety data sheet**  
according to 1907/2006/EC, Article 31



Printing date 15.12.2011

Version: 2 (GB)

Revision: 07.12.2011

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

### 1.1 Product identifier

**Trade name: Acrylwannen-Silicon**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Application of the substance / the preparation:** Silicate sealing

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

Knauf Bauprodukte GmbH & Co. KG

Postfach 10

97343 Iphofen

Deutschland

Tel +49 (0)9323/31-0

Fax +49 (0)9323/31-323

**Further information obtainable from:**

Technical information service

Tel +49 (0)1805/31-9000 (14 cents / min. from the German network; mobile telephone prices may differ)

E-mail KnaufBP-Direkt@Knauf-Bauprodukte.de

### 1.4 Emergency telephone number:

Hotline for symptoms of poisoning and embryonic toxicology, Berlin

Tel +49 (0)30-19240

## \* 2 Hazards identification

### 2.1 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:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

### 2.2 Label elements

**Labelling according to EU guidelines:**

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

**Special labelling of certain preparations:**

Safety data sheet available for professional user on request.

**Information concerning particular hazards for human and environment:**

Product hydrolyses, producing ethanol (CAS no. 64-17-5). Ethanol is highly flammable (F, R11).

### 2.3 Other hazards

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

## \* 3 Composition/information on ingredients

**Chemical characterization: Mixtures**

**Description:** Polydimethylsiloxane and auxiliary + crosslinker.

**Dangerous components:**

128446-60-6 3-Aminopropyl(methyl)silsesquioxan, ethoxy-terminiert

< 5%

 Xi R36/38

R10

 Flam. Liq. 3, H226;  Skin Irrit. 2, H315; Eye Irrit. 2, H319

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

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**Trade name: Acrylwannen-Silicon****Remark:** Materials with a threshold value for exposure in the workplace – see point 8.**4 First aid measures****4.1 Description of first aid measures****General information:** If symptoms occur, or if in any doubt, seek the advice of a doctor.**After inhalation:** Supply fresh air.**After skin contact:**

Remove product mechanically using a cloth or paper.

Wash off with water and soap and rinse again.

If skin irritation continues, consult a doctor.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**

Rinse out your mouth and drink small sips of water.

Do not induce vomiting.

Seek medical treatment.

**Information for doctor:****4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**5 Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**

Water haze

Fire-extinguishing powder

Alcohol resistant foam

Carbon dioxide

Sand

**For safety reasons unsuitable extinguishing agents:**

Water spray

Water with full jet

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

In case of fire, the following can be released:

Nitrogen oxides (NO<sub>x</sub>)**5.3 Advice for firefighters****Protective equipment:** Wear self-contained respiratory protective device.**6 Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

Ensure adequate ventilation

Keep away from ignition sources.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.**6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

**7 Handling and storage****7.1 Precautions for safe handling** No special measures required.**Information about fire - and explosion protection:**

Product may release ethanol. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

**7.2 Conditions for safe storage, including any incompatibilities****Requirements to be met by storerooms and receptacles:** No special requirements.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

Protect from humidity and water.

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

**7.3 Specific end use(s)** No further relevant information available.**8 Exposure controls/personal protection****Additional information about design of technical facilities:** No further data; see item 7.**8.1 Control parameters****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.**8.2 Exposure controls****General protective and hygienic measures:**

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

**Respiratory protection:** In case of long or strong exposure: gas mask filter ABEK .**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

After use of gloves apply skin-cleaning agents and skin cosmetics.

**Material of gloves** Butyl rubber, BR**Penetration time of glove material**

Provide gloves suitable for applications up to 60 minutes.

Gloves should be removed and changed immediately in case of decomposition or chemical permeability.

**Eye protection:**

Eye glasses with side protection.

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**Trade name: Acrylwannen-Silicon****Body protection:** Protective work clothing**Limitation and supervision of exposure into the environment** Do not allow to enter or ground.

**9 Physical and chemical properties**

**9.1 Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	Pasty
<b>Colour:</b>	Various colours
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>pH-value:</b>	Not determined.

**Change in condition**

<b>Melting point/Melting range:</b>	Not applicable.
<b>Boiling point/Boiling range:</b>	Not applicable.

**Flash point:** Not applicable.**Ignition temperature:** > 400°C**Decomposition temperature:** Not determined.**Self-igniting:** Not applicable.**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Vapour pressure:** Not determined.**Density at 20°C:** 1.02 g/cm<sup>3</sup>**Relative density** Not determined.**Vapour density** Not determined.**Evaporation rate** Not determined.**Solubility in / Miscibility with water:**

Insoluble.

**Segregation coefficient (n-octanol/water):** Not determined.**Viscosity:****Dynamic:** Not determined.**Kinematic:** Not determined.**9.2 Other information**

No further relevant information available.

**10 Stability and reactivity**

**10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:** Avoid damp conditions.**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:**

Reacts with: water, basic substances and acids. Reaction causes the formation of: ethanol.

**10.6 Hazardous decomposition products:**

Ethanol

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Measurements have shown that, due to oxidative decomposition, at temperatures from around 150°C a small amount of formaldehyde is split.

**11 Toxicological information****General 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.

**11.1 Information on toxicological effects****Additional toxicological information:**

Product(s) of hydrolysis: According to literature, ethanol (67-17-5) irritates the mucous membranes, slightly irritates the skin, degreases the skin, is narcotic and may cause liver damage.

**12 Ecological information****12.1 Toxicity**

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

**12.2 Persistence and degradability**

The hydrolysis product (Ethanol) is readily biologically degradable.

Silicone content: Biologically not degradable.

**Other information:** Silicone content: Biologically not degradable. Separation by sedimentation.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**Ecotoxicological effects:**

**Remark:** No expected damaging effects to aquatic organisms.

**Remark:**

According to current knowledge adverse effects on water purification plants are not expected.

**Additional ecological information:****General notes:**

Water hazard class 1 (appendix 4, VwVwS Deutschland of 17.05.1999): Little risk of pollution

No environmental problems can be expected if the mixture is handled and applied properly. When in vulcanised state insoluble in water. Can be easily separated from water through filtration.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

**13 Disposal considerations****13.1 Waste treatment methods****Recommendation**

After prior treatment product has to be incinerated adhering to the regulations pertaining to the disposal of especially hazardous waste.

Disposal must be made according to official regulations.

**European waste catalogue**

08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous substances

**Uncleaned packaging:****Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

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**Trade name: Acrylwannen-Silicon****14 Transport information**

<b>14.1 UN-Number</b> ADR, IMDG, IATA	Void
<b>14.2 UN proper shipping name</b> IMDG, IATA	Void
<b>14.3 Transport hazard class(es)</b> ADR, IMDG, IATA Class	Void
<b>14.4 Packing group</b> ADR, IMDG, IATA	Void
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II</b> of MARPOL73/78 and the IBC Code	Not applicable.

**15 Regulatory information**

**15.2 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**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

R10 Flammable.

R36/38 Irritating to eyes and skin.

**Department issuing MSDS:** Knauf Gips KG, Abteilung Umwelt und Sicherheit, 97343 Iphofen**Contact:** Technical information service (see point 1)**\* Data compared to the previous version altered.**