

# Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 15.12.2011

Version: 2 (GB)

Revision: 15.12.2011

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

### 1.1 Product identifier

**Trade name: Aqua-Dicht**

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

**Application of the substance / the preparation:** Sealing compound

### 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.

### 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, fillers, auxiliaries and acetoxysilane cross-linker.

**Dangerous components:**

CAS: 17689-77-9	Triacetoxylethylsilan C R34;  Xn R22 R14 Skin Corr. 1B, H314;  Acute Tox. 4, H302	< 3%
CAS: 4253-34-3 EINECS: 224-221-9	methylsilanetriyl triacetate C R34;  Xn R22 R14 Skin Corr. 1B, H314;  Acute Tox. 4, H302	< 2%

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

**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:** No special measures required.

**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 spray, foam, dry powder, carbon dioxide.

Sand

**For safety reasons unsuitable extinguishing agents:** Water with full jet

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

In case of fire, the following can be released:

Acetic acid

##### **5.3 Advice for firefighters**

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information** Cool endangered receptacles with water spray.

#### **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:**

Do not flush with water or aqueous cleansing agents

Take up using liquid-absorbent materials (sand, kieselguhr, acidic binding material, universal binding material).

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.

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

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See Section 13 for disposal information.

**7 Handling and storage****7.1 Precautions for safe handling**

Ensure adequate ventilation.

Keep away from incompatible substances in accordance with section 10.

**Information about fire - and explosion protection:**

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:** Store indoors.**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 inhale gases / fumes / aerosols.

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

**Material of gloves** Fluorocarbon rubber (Viton)**Penetration time of glove material** Provide gloves suitable for applications up to 60 minutes.**Eye protection:**

Tightly sealed goggles

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

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Version: 2 (GB)

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Body protection: Protective work clothing

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

Form:	Pasty
Colour:	transparent
Odour:	Pungent
Odour threshold:	Not determined.
pH-value:	Not determined.

**Change in condition**

Melting point/Melting range:	Not applicable.
Boiling point/Boiling range:	Not applicable.

Flash point: Not applicable.

Ignition temperature: ca. 400°C

Decomposition temperature: Not determined.

**Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

Vapour pressure: Not determined.

Density at 25°C: 0.98 - 1.05 g/cm<sup>3</sup>

Relative density: Not determined.

Vapour density: Not determined.

Evaporation rate: Not determined.

**Solubility in / Miscibility with**

water: Practically insoluble

Segregation coefficient (n-octanol/water): Not determined.

**Viscosity:**

Dynamic at 20°C:	ca. 800000 mPas
	Not determined.

Kinematic: Not determined.

**9.2 Other information**

Solubility in water: Hydrolytic decomposition occurs.  
pH Value: Product displays acidic reaction with water.  
Explosion limits for released acetic acid: 4 - 17%(V).

**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 alcohols. Reaction causes the formation of: acetic acid.

**10.6 Hazardous decomposition products:**

By hydrolysis: acetic acid.

**Safety data sheet**  
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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**

Product has not been tested.

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

After cross-linking and removal of volatile substances product is not mutagenic nor cancerogenic nor teratogenic and is not hazardous to man and environment.

**11.1 Information on toxicological effects****Acute toxicity:****Specific symptoms in biological assay:**

Evaluation in analogy to a tested similar product: By eye contact: Slight irritation possible.

**Additional toxicological information:**

Product(s) of hydrolysis: In contact with dampness product separates a small quantity of acetic acid (64-19-7) which irritates skin and mucous membranes.

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

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

**12.2 Persistence and degradability** Not biodegradable.

**Other information:** Contact with water liberates: acetic acid.

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

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

**Ecotoxicological effects:**

**Remark:** According to past experience toxicity to fish is improbable.

**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

Do not allow product to reach ground water, water course or sewage system.

In cross-linked state not soluble in water. Easily separable from water by 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.

Small quantities may be disposed of by incineration in an approved facility.

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

**Safety data sheet**  
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**Trade name: Aqua-Dicht****Uncleaned packaging:****Recommendation:**

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

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**14 Transport information**

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

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

R14 Reacts violently with water.

R22 Harmful if swallowed.

R34 Causes burns.

**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.**