

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Küchen-Silicon

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Professional use, Consumer use
Use of the substance/mixture : Sealants

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Knauf Bauprodukte GmbH & Co. KG
Am Bahnhof 7
P.O. Box 10
97346 Iphofen - Deutschland
T +49 9323 31-0 - F +49 9323 31-323
www.knauf-bauprodukte.de
E-mail address of competent person responsible for the SDS : sds-info@knauf.de

Technical information

Technical information service Knauf Bauprodukte
T +49 (0) 1805/31-9000 (0,14 €/Min. aus dem deutschen Festnetz,
Mobilfunk max. 0,42€/Min. möglich)
KnaufBP-Direkt@Knauf-Bauprodukte.de

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

EUH-statements : EUH210 - Safety data sheet available on request.
Extra phrases : VOC content: 0 %

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
triacetoxethylsilane	(CAS-No.) 17689-77-9 (EC-No.) 241-677-4	1 - < 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Protection for the first aid staff. Do not give an unconscious person anything to drink.
First-aid measures after inhalation	: Allow affected person to breathe fresh air. When in doubt or if symptoms are observed, get medical advice.
First-aid measures after skin contact	: Wipe off dry product from skin. Wash off immediately with soap and plenty of water. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Contact lenses should be removed. Immediately flush eyes thoroughly with water for at least 15 minutes. If necessary seek medical advice.
First-aid measures after ingestion	: Rinse mouth thoroughly with water. Immediately give plenty of water. immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Symptoms of poisoning may not appear for several hours.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Foam. Carbon dioxide. Chemical powder.
Unsuitable extinguishing media	: high volume water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Formaldehyde. May liberate toxic gases.

5.3. Advice for firefighters

Protection during firefighting	: Wear a self contained breathing apparatus. For large fire: Full suit.
Other information	: In case of fire and/or explosion do not breathe fumes. Do not dispose of fire-fighting water in the environment. Dispose of contaminated materials in accordance with current regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate air ventilation. Avoid contact with skin and eyes. Spilled material may present a slipping hazard.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Dike and contain spill. Stop leak if safe to do so. Do not allow material to contaminate ground water system. Do not allow to enter into surface water or drains. Avoid sub-soil penetration.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Wash away remainder with plenty of water. or. Let solidify. Mechanically recover the product. Dispose of in accordance with relevant local regulations.

6.4. Reference to other sections

See Heading 13. See Heading 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use appropriate ventilation. Avoid prolonged and repeated contact with skin. Avoid contact with eyes. Do not drink, eat or smoke in the workplace. Keep away from food, drink and animal feedingstuffs. Observe the label precautions. Wash hands before breaks and after work. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep container tightly closed. Store at room temperature. Store under dry conditions.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Hand protection:

Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Barrier cream

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Butyl rubber, Chloroprene rubber (CR), Nitrile rubber (NBR)	6 (> 480 minutes)	0,5		EN ISO 374

Eye protection:

Type	Use	Characteristics	Standard
Sealed safety goggles			EN 166

Skin and body protection:

Type	Standard
Long sleeved protective clothing	
Safety shoes	EN ISO 20345

Respiratory protection:

If the ventilation is suitable, it is not essential to wear respiratory equipment



Consumer exposure controls:

Provide adequate general and local exhaust ventilation. Handle in accordance with good industrial hygiene and safety procedures. Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs. Contaminated work clothing should not be allowed out of the workplace.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Pasty.
Colour	: According to product specification.
Odour	: acetic acid.
Odour threshold	: No data available
pH	: < 7
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: > 440 °C
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1 – 1,04 g/cm ³
Solubility	: Water: Soluble
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: > 20,5 mm ² /s
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Not oxidising.
Explosive limits	: No data available

9.2. Other information

VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Heat. Moisture.

10.5. Incompatible materials

Strong oxidizers. Strong alkalis. Strong acids.

10.6. Hazardous decomposition products

No decomposition if stored normally.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

triacetoxylethylsilane (17689-77-9)	
LD50 oral rat	1460 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral)
Skin corrosion/irritation	: Not classified. pH: < 7
Serious eye damage/irritation	: Not classified pH: < 7
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Küchen-Silicon	
Viscosity, kinematic	> 20,5 mm ² /s

SECTION 12: Ecological information

12.1. Toxicity

triacetoxylethylsilane (17689-77-9)	
LC50 fish 1	251 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	62 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 2	168,7 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Read-across, GLP)
EC50 72h algae (1)	76 mg/l (OECD 201: Alga, Growth Inhibition Test, Scenedesmus subspicatus, Static system, Fresh water, Experimental value, Growth rate)
EC50 72h algae (2)	73 mg/l (OECD 201: Alga, Growth Inhibition Test, Scenedesmus subspicatus, Static system, Fresh water, Experimental value, Biomass)
EC50 72h algae (3)	24,41 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value)

12.2. Persistence and degradability

triacetoxylethylsilane (17689-77-9)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

triacetoxylethylsilane (17689-77-9)	
Partition coefficient n-octanol/water (Log Pow)	-1,9 (QSAR, KOWWIN, 20 °C)
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

triacetoxylethylsilane (17689-77-9)	
Surface tension	0,0305 N/m (20 °C, EU Method A.5: Surface tension)
Partition coefficient n-octanol/water (Log Koc)	1 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.

12.5. Results of PBT and vPvB assessment

Component	
triacetoxylethylsilane (17689-77-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Avoid any discharge of the product into waste water. Remove waste in accordance with local and/or national regulations. Empty remaining contents. May be reused following decontamination. Handle uncleaned empty containers as full ones. Leave the product to solidify. Dispose of the small quantities as household waste.

European List of Waste (LoW) code : 07 02 17 - waste containing silicones other than those mentioned in 07 02 16
08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09
15 01 02 - plastic packaging

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Küchen-Silicon

Safety Data Sheet



according to Regulation (EU) 2015/830

VOC content : 0 %

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

This safety data sheet replaces the previous version of 2016/12/13. The following changes were made:

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
EUH210	Safety data sheet available on request.

Knauf SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.