

according to Regulation (EC) No 1907/2006

Probau Sanitär Silikon ECO

Revision date: 24.07.2019

Product code: 32373045450001

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

1.1. Product identifier

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

Use of the substance/mixture

silicone sealant, acetoxys

Uses advised against

None, use in accordance with instructions.

1.3. Details of the supplier of the safety data sheet

Company name: quick-mix Gruppe GmbH & Co. KG

Street: Mühleneschweg 6

Place: 49090 Osnabrück

Telephone: +49 541 601-601

Telefax: +49 541 601-853

e-mail (Contact person): info@quick-mix.de

1.4. Emergency telephone

+49 551-19240 GIZ Nord

number:

SECTION 2: Hazards identification

2.2. Label elements

Regulation (EC) No. 1272/2008

Precautionary statements

P271 Use only outdoors or in a well-ventilated area.

P262 Do not get in eyes, on skin, or on clothing.

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

Special labelling of certain mixtures

EUH208 Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Index No	REACH No	Quantity
	EC No			
	GHS Classification			
17689-77-9	Triacetoxymethylsilane			1 - < 3 %
	241-677-4		01-2119688178-15	
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1; H302 H314 H318 EUH014			
540-97-6	Dodecamethylcyclotetrasiloxan			0.1 - < 1 %
	208-762-8		01-2119517435-42	
7631-86-9	silicon dioxide, Crypto-crystalline silicic acid			< 0.1 %
	231-545-4		01-2119379499-16	

Full text of H and EUH statements: see section 16.

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Further Information

The mixture contains the following substances fulfilling the PBT-/vPvB criteria according to REACH Annex XIII:
Dodecamethylcyclotetrasiloxan

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated, saturated clothing immediately. When in doubt or if symptoms are observed, get medical advice.

After inhalation

Remove casualty to fresh air and keep warm and at rest.

After contact with skin

Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleansing agent and water. Do not wash with: Solvents/Thinner In case of skin irritation, consult a physician.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician immediately.

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

No known symptoms to date.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray jet, Extinguishing powder, alcohol resistant foam., Carbon dioxide (CO₂).

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Acetic acid

5.3. Advice for firefighters

Do not allow run-off from fire-fighting to enter drains or water courses. Self-contained respirator (breathing apparatus) (DIN EN 133)

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin. Avoid contact with eyes. Do not breathe gas/fumes/vapour/spray. Special danger of slipping by leaking/spilling product.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Take up mechanically, placing in appropriate containers for disposal.

6.3. Methods and material for containment and cleaning up

Do not rinse down with water. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation. Remove all sources of ignition.

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6.4. Reference to other sections

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Do not store in corridors and stairways. Keep/Store only in original container.

Hints on joint storage

Keep away from incompatible substances (no. 10).

Further information on storage conditions

Provide adequate ventilation. Take precautionary measures against static discharges.

7.3. Specific end use(s)

Adhesives, sealants

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
17689-77-9	Triacetoxyethylsilane			
Consumer DNEL, acute		inhalation	local	65 mg/m ³
Consumer DNEL, long-term		inhalation	local	10,8 mg/m ³
Worker DNEL, long-term		inhalation	local	32,5 mg/m ³
7631-86-9	silicon dioxide, Crypto-crystalline silicic acid			
Worker DNEL, acute		inhalation	local	4 mg/m ³
Worker DNEL, long-term		inhalation	local	4 mg/m ³

PNEC values

CAS No	Substance	Value
17689-77-9	Triacetoxyethylsilane	
Freshwater		0,2 mg/l
Marine water		0,02 mg/l
Freshwater sediment		0,16 mg/kg
Marine sediment		0,016 mg/kg
Micro-organisms in sewage treatment plants (STP)		1 mg/l
Soil		0,031 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Respiratory protection necessary at: exceeding exposure limit values

Protective and hygiene measures

Avoid contact with skin and eyes. Do not inhale the vapour. Do not eat or drink during work - no smoking.

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Eye/face protection

Use tightly fitting safety glasses.

Hand protection

Suitable gloves type: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber), CR (polychloroprene, chloroprene rubber)

Thickness of the glove material: >0,5 mm

Breakthrough time (maximum wearing time): >480 min

Required properties: For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

Not necessarily required.

Environmental exposure controls

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste
Colour:	see color on the packaging label
Odour:	vinegary stinging
pH-Value:	<7

Changes in the physical state

Melting point:	<-40 °C
Initial boiling point and boiling range:	not determined
Sublimation point:	not applicable
Softening point:	not applicable
Pour point:	not applicable
Flash point:	na
Sustaining combustion:	No data available

Flammability

Solid:	>440 °C
Gas:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Ignition temperature:	400 °C

Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable
Vapour pressure:	not applicable
Density:	1,02 g/cm³
Bulk density:	not applicable
Water solubility:	not applicable
Viscosity / dynamic:	800000 mPa·s
Viscosity / kinematic:	na

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Flow time:

na

Solvent separation test:

not applicable

9.2. Other information

none

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Protect from moisture.

Keep away from heat.

10.5. Incompatible materials

Incompatible materials: Oxidising agent, strong, Alkali (lye), Acids

10.6. Hazardous decomposition products

No hazardous reaction when handled and stored according to provisions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix tested

LD50, oral

Dose
>2000 mg/kg

Species

Source
calculated.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
17689-77-9	Triacetoxyethylsilane				
	oral	LD50 mg/kg 1460	Rat		
540-97-6	Dodecamethylcyclohexasiloxan				
	oral	LD50 mg/kg >2000	Rat		
7631-86-9	silicon dioxide, Crypto-crystalline silicic acid				
	oral	LD50 mg/kg >5000	Rat		OECD 401 (Acute Oral Toxicity)
	dermal	LD50 mg/kg >6000	Rabbit		
	inhalation (4 h) aerosol	LC50 mg/l >0,139	Rat		

Irritation and corrosivity

Based on available data, the classification criteria are not met.

In case of eye contact: Not an irritant. Classification based on toxicological studies.

Skin contact: Not an irritant. Classification based on toxicological studies.

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Sensitising effects

Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity: Silicone component: not bio-degradable. According to knowledge so far, no fish toxicity can be expected.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
17689-77-9	Triacetoxyethylsilane					
	Acute fish toxicity	LC50 251 mg/l	96 h	Brachydanio rerio (zebra-fish)		
	Acute algae toxicity	ErC50 730 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 620 mg/l	48 h	Daphnia magna (Big water flea)		
7631-86-9	silicon dioxide, Crypto-crystalline silicic acid					
	Acute fish toxicity	LC50 mg/l >10000	96 h	Brachydanio rerio (zebra-fish)		OECD 203 (Fish, Acute Toxicity Test)
	Acute algae toxicity	ErC50 mg/l >10000	72 h			OECD 201 (Alga, Growth Inhib. Test)
	Acute crustacea toxicity	EC50 mg/l >10000	48 h	Daphnia magna (Big water flea)		OECD 202 (Daphnia sp. Acute Immobil)

12.2. Persistence and degradability

No information available.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
17689-77-9	Triacetoxyethylsilane			
	Regulation (EC)440/2008 C.4-A	74	21	

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

12.4. Mobility in soil

The product has not been tested. Due to the consistency along with the low water solubility of the product a bioavailability is unlikely.

12.5. Results of PBT and vPvB assessment

The mixture contains the following substances fulfilling the PBT-/vPvB criteria according to REACH Annex XIII: Dodecamethylcyclotetrasiloxan

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12.6. Other adverse effects

No information available.

Further information

none

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Waste disposal number of waste from residues/unused products**

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

SECTION 14: Transport information**Land transport (ADR/RID)**

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):

Dodecamethylcyclhexasiloxan

Additional information

EU Biocides Regulation

528/2012 EC:

This product is a "treated article without a primary biocidal function" (Article 58 in conjunction with Article 3(1)(a)). This product protects itself thanks to the added film protection agent, which cannot exhibit an outward effect due to the plastic film that is formed.

Film protection agent:

dichlorooctylisothiazolinone

National regulatory information

Water contaminating class (D):

1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2,3,4,6,8,11,12,15.

Sources: <http://www.gisbau.de> <http://www.baua.de>**Abbreviations and acronyms**

EWG - Europäische Wirtschaftsgemeinschaft; EG - Europäische Gemeinschaft; CLP- Regulation on Classification, Labelling and Packaging of Substances and Mixtures; TRGS - Technische Regeln für Gefahrstoffe; PBT - persistenter bioakkumulierbarer und toxischer Stoff; vPvB - very persistent very bioaccumulative; REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals; VOC - Flüchtige organische Verbindung WGK - Wassergefährdungsklasse

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
EUH014	Reacts violently with water.
EUH208	Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)