

# EU safety data sheet

**Trade name:** MATTES SILICON

**Product no.:** MSI

**Current version :** 1.0.1, issued: 15.10.2024

**Replaced version:** 1.0.0, issued: 14.12.2023

**Region:** GER

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

### 1.1 Product identifier

Trade name

**MATTES SILICON**

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

**Relevant identified uses of the substance or mixture**

Chemical product for building, modernising and repairing.

**Uses advised against**

No data available.

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

**Address**

LUGATO GmbH & Co. KG

Großer Kamp 1

D-22885 Barsbüttel

Telephone no. +49 (0)40 694 07-0

Fax no. +49 (0)40 694 07-109 + 110

**Advice on Safety Data Sheet**

sicherheit@lugato.de

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification information**

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

Classification and labelling are based on toxicological studies performed on the product (mixture).

Classification and labelling with respect to water pollution risks are based on ecotoxicological studies performed on the product (mixture).

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

**Hazard statements (EU)**

EUH208

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

### 2.3 Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

**Chemical characterization**

Permanently elastic joint sealant

**Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	triacetoxylethylsilane		

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	17689-77-9 241-677-4 - 01-2119881778-15	Acute Tox. 4; H302 EUH014 Skin Corr. 1B; H314 Eye Dam. 1; H318	< 5,00	wt%
2	<b>octamethylcyclotetrasiloxane</b>			
	556-67-2 209-136-7 014-018-00-1 -	Repr. 2; H361f*** Aquatic Chronic 1; H410	< 0,10	wt%
3	<b>2-octyl-2H-isothiazol-3-one</b>			
	26530-20-1 247-761-7 613-112-00-5 -	Acute Tox. 3; H301 Acute Tox. 3; H311 Skin Corr. 1; H314 Skin Sens. 1A; H317 Eye Dam. 1; H318 Acute Tox. 2; H330 Aquatic Chronic 1; H410 Aquatic Acute 1; H400 EUH071	< 0,10	wt%
4	<b>Silicon dioxide (amorphous)</b>			
	112945-52-5 231-545-4 - 01-2119379499-16	-	>= 5,00 - < 10,00	wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

(\* , \*\* , \*\*\* , \*\*\*\*) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	-	-	-	M = 10
3	-	Skin Sens. 1A; H317: C >= 0,0015%	M = 100	M = 100

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

#### After inhalation

Ensure supply of fresh air.

#### After skin contact

Remove with a cloth or paper. Wash off immediately with soap and water.

#### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

#### After ingestion

Seek medical advice immediately. Never give anything by mouth to an unconscious person.

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

No data available.

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Foam; Extinguishing powder; Water spray jet; Carbon dioxide

#### Unsuitable extinguishing media

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High power water jet

## 5.2 Special hazards arising from the substance or mixture

None known.

## 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

Collect mechanically. Send in suitable containers for recovery or disposal.

### 6.4 Reference to other sections

No data available.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Ensure adequate ventilation. Refer to protective measures listed in section 8.

#### General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

#### Requirements for storage rooms and vessels

Store product in closed containers. Always keep in containers of same material as the original.

#### Incompatible products

Do not store together with: Acids; Alkalis; Alcohols

#### Storage Class according TRGS 510

12 Non-combustible liquids that cannot be assigned to any of the above storage classes

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	Silicon dioxide (amorphous)	112945-52-5	231-545-4
	TRGS 900		
	Kieselsäuren, amorphe		
	WEL long-term (8-hr TWA reference period)	1 E	mg/m <sup>3</sup>
	Notes	Y, 2	

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## DNEL, DMEL and PNEC values

### DNEL values (worker)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	triacetoxymethylsilane	17689-77-9 241-677-4		
	inhalative	Short term (acute)	local	32,5 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	32,5 mg/m <sup>3</sup>

### DNEL value (consumer)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	triacetoxymethylsilane	17689-77-9 241-677-4		
	inhalative	Short term (acute)	local	65 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	10,8 mg/m <sup>3</sup>

### PNEC values

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	triacetoxymethylsilane	17689-77-9 241-677-4	
	water	fresh water	0,2 mg/L
	with reference to: silane triol (product of hydrolysis)		
	water	marine water	0,02 mg/L
	with reference to: silane triol (product of hydrolysis)		
	water	Aqua intermittent	1,7 mg/L
	with reference to: silane triol (product of hydrolysis)		
	water	fresh water sediment	0,16 mg/kg moist mass
	with reference to: silane triol (product of hydrolysis)		
	water	marine water sediment	0,016 mg/kg moist mass
	with reference to: silane triol (product of hydrolysis)		
	soil	-	0,031 mg/kg moist mass
	with reference to: silane triol (product of hydrolysis)		
	sewage treatment plant	-	1 mg/L

## 8.2 Exposure controls

### Appropriate engineering controls

No data available.

### Personal protective equipment

#### Respiratory protection

Not necessary, but do not inhale vapours.

#### Eye / face protection

Safety glasses with side protection shield (EN 166)

#### Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material

Nitrile impregnated protective gloves

#### Other

Light protective clothing

### Environmental exposure controls

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No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>State of aggregation</b>	
liquid	
<b>Form</b>	
pasty	
<b>Colour</b>	
various colour shades	
<b>Odour</b>	
pungent; acidic	
<b>pH value</b>	
cannot be determined	
<b>Boiling point / boiling range</b>	
No data available	
<b>Melting point/freezing point</b>	
No data available	
<b>Decomposition temperature</b>	
No data available	
<b>Flash point</b>	
no data available	
<b>Ignition temperature</b>	
No data available	
<b>Flammability</b>	
No data available	
<b>Lower explosion limit</b>	
No data available	
<b>Upper explosion limit</b>	
No data available	
<b>Vapour pressure</b>	
No data available	
<b>Relative vapour density</b>	
No data available	
<b>Relative density</b>	
No data available	
<b>Density</b>	
Value	1,03 g/cm <sup>3</sup>
Reference temperature	20 °C
<b>Solubility in water</b>	
Comments	insoluble
<b>Solubility</b>	
No data available	
<b>Partition coefficient n-octanol/water (log value)</b>	
No data available	
<b>Kinematic viscosity</b>	
Value	150 Pa*s

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Type	dynamic
Comments	at a shear force of 20/s

<b>Particle characteristics</b>
No data available

## 9.2 Other information

<b>Other information</b>
No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

No data available.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

Acids; Alkalis; Alcohols

### 10.6 Hazardous decomposition products

Under the action of moisture (atmospheric moisture) product splits off a small quantity of acetic acid.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>Acute oral toxicity (result of the ATE calculation for the mixture)</b>	
<b>Product Name</b>	
<b>MATTES SILICON</b>	
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

<b>Acute oral toxicity</b>
No data available

<b>Acute dermal toxicity</b>
No data available

<b>Acute inhalational toxicity</b>
No data available

<b>Skin corrosion/irritation</b>	
<b>Product Name</b>	
<b>MATTES SILICON</b>	
Species	rabbit
Method	OECD 404
Source	ECHA
Comments	The study has indicated that the CAS No 17689-77-9 is not irritating if it is contained in a silicone material to about 5%.
Evaluation	non-irritant

<b>Serious eye damage/irritation</b>	
<b>Product Name</b>	
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Species	rabbit
Method	OECD 405
Source	ECHA
Comments	The study has indicated that the CAS No 17689-77-9 is not irritating if it is contained in a silicone material to about 5%.
Evaluation	non-irritant

<b>Respiratory or skin sensitisation</b>	
<b>Product Name</b>	
<b>MATTES SILICON</b>	
Route of exposure	Skin
Source	manufacturer
Evaluation	non-sensitizing
Evaluation/classification	Based on available data, the classification criteria are not met.

<b>Germ cell mutagenicity</b>	
No data available	

<b>Reproduction toxicity</b>	
No data available	

<b>Carcinogenicity</b>	
No data available	

<b>STOT - single exposure</b>	
No data available	

<b>STOT - repeated exposure</b>	
No data available	

<b>Aspiration hazard</b>	
No data available	

<b>Endocrine disrupting properties</b>	
No data available	

<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>	
Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin. Eye contact with the product may lead to irritation.	

## 11.2 Information on other hazards

**Other information**  
No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>	
<b>Product Name</b>	
<b>MATTES SILICON</b>	
Source	manufacturer
Evaluation/classification	Based on available data, the classification criteria are not met.

<b>Toxicity to fish (chronic)</b>	
<b>Product Name</b>	
<b>MATTES SILICON</b>	
Source	manufacturer
Evaluation/classification	Based on available data, the classification criteria are not met.

<b>Toxicity to Daphnia (acute)</b>			
<b>Product Name</b>			
<b>MATTES SILICON</b>			
EC50	10	- 100	mg/l
Duration of exposure		48	h
Species	Daphnia		

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Method Source	OECD 202 manufacturer
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<b>Toxicity to Daphnia (chronic)</b>
No data available

<b>Toxicity to algae (acute)</b>			
<b>Product Name</b>			
<b>MATTES SILICON</b>			
EC50	>	100	mg/l
Duration of exposure		72	h
Species	Algae		
Method	OECD 201		
Source	manufacturer		

<b>Toxicity to algae (chronic)</b>
No data available

<b>Bacteria toxicity</b>
No data available

## 12.2 Persistence and degradability

No data available.

## 12.3 Bioaccumulative potential

No data available.

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

No data available.

## 12.6 Endocrine disrupting properties

No data available.

## 12.7 Other adverse effects

No data available.

## 12.8 Other information

<b>Other information</b>
Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### Packaging

Completely emptied packagings can be given for recycling. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

## SECTION 14: Transport information

### 14.1 UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

### 14.2 UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

### 14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations.

### 14.4 Packing group



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Not classified as dangerous in the meaning of transport regulations.

## 14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

## 14.6 Special precautions for user

No data available.

## 14.7 Maritime transport in bulk according to IMO instruments

Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

##### **Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

##### **REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

##### **Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	2-octyl-2H-isothiazol-3-one	26530-20-1	247-761-7	75
2	dibutyltin di(acetate)	1067-33-0	213-928-8	75
3	octamethylcyclotetrasiloxane	556-67-2	209-136-7	75

##### **Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is not subject to Part 1 or 2 of Annex I.

##### **REGULATION (EU) No 528/2012 concerning the making available on the market and use of biocidal products**

BAuA registration number: N-16925

4,5-dichloro-2-octyl-2H-isothiazol-3-one: 0.5 g / kg

##### **Other regulations**

Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.

#### National regulations

##### **Water Hazard Class (Germany)**

Class

1

Source

Classification according to AwSV (Regulation on facilities for handling substances that are hazardous to water).

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## SECTION 16: Other information

##### **Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

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The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

EUH014	Reacts violently with water.
EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Creation of the safety data sheet**

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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