

EU safety data sheet

Trade name: MATTES SILICON

Product no.: MSI-T

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

White

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

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).

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

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

2.2 Label elements

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

Hazard pictograms

-

Signal word

-

Hazard statement(s)

-

Hazard statements (EU)

EUH211

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

EUH208

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

Precautionary statement(s)

EU safety data sheet

Trade name: MATTES SILICON

Product no.: MSI-T

Current version : 1.0.1, issued: 15.10.2024

Replaced version: 1.0.0, issued: 14.12.2023

Region: GER

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	triacetoxymethylsilane		
	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	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]		
	13463-67-7 236-675-5 022-006-00-2 -	Carc. 2; H351i	< 2,50 wt%
3	octamethylcyclotetrasiloxane		
	556-67-2 209-136-7 014-018-00-1 -	Repr. 2; H361f*** Aquatic Chronic 1; H410	< 0,10 wt%
4	2-octyl-2H-isothiazol-3-one		
	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%
5	Silicon dioxide (amorphous)		
	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	V, W, 10	-	-	-
3	-	-	-	M = 10
4	-	Skin Sens. 1A; H317: C >= 0,0015%	M = 100	M = 100

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

No	Route, target organ, concrete effect
2	H351i inhalational; -; -

EU safety data sheet

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Product no.: MSI-T

Current version : 1.0.1, issued: 15.10.2024

Replaced version: 1.0.0, issued: 14.12.2023

Region: GER

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

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.

EU safety data sheet

Trade name: MATTES SILICON

Product no.: MSI-T

Current version : 1.0.1, issued: 15.10.2024

Replaced version: 1.0.0, issued: 14.12.2023

Region: GER

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 ³
	Notes	Y, 2	

DNEL, DMEL and PNEC values

DNEL values (worker)

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

DNEL value (consumer)

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

PNEC values

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	triacetoxylethylsilane		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)		

EU safety data sheet

Trade name: MATTES SILICON

Product no.: MSI-T

Current version : 1.0.1, issued: 15.10.2024

Replaced version: 1.0.0, issued: 14.12.2023

Region: GER

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

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation
liquid
Form
pasty
Colour
various colour shades
Odour
pungent; acidic
pH value
cannot be determined
Boiling point / boiling range
No data available
Melting point/freezing point
No data available
Decomposition temperature
No data available
Flash point
no data available

EU safety data sheet

Trade name: MATTES SILICON

Product no.: MSI-T

Current version : 1.0.1, issued: 15.10.2024

Replaced version: 1.0.0, issued: 14.12.2023

Region: GER

Ignition temperature
No data available

Flammability
No data available

Lower explosion limit
No data available

Upper explosion limit
No data available

Vapour pressure
No data available

Relative vapour density
No data available

Relative density
No data available

Density		
Value	1,03	g/cm ³
Reference temperature	20	°C

Solubility in water	
Comments	insoluble

Solubility
No data available

Partition coefficient n-octanol/water (log value)
No data available

Kinematic viscosity		
Value	150	Pa*s
Type	dynamic	
Comments	at a shear force of 20/s	

Particle characteristics
No data available

9.2 Other information

Other information
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

EU safety data sheet

Trade name: MATTES SILICON

Product no.: MSI-T

Current version : 1.0.1, issued: 15.10.2024

Replaced version: 1.0.0, issued: 14.12.2023

Region: GER

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

Acute oral toxicity (result of the ATE calculation for the mixture)	
Product Name	
MATTES SILICON	
White	
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).

Acute oral toxicity
No data available

Acute dermal toxicity
No data available

Acute inhalational toxicity
No data available

Skin corrosion/irritation	
Product Name	
MATTES SILICON	
White	
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

Serious eye damage/irritation	
Product Name	
MATTES SILICON	
White	
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

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

Germ cell mutagenicity
No data available

Reproduction toxicity
No data available

Carcinogenicity
No data available

STOT - single exposure
No data available

STOT - repeated exposure

EU safety data sheet

Trade name: MATTES SILICON

Product no.: MSI-T

Current version : 1.0.1, issued: 15.10.2024

Replaced version: 1.0.0, issued: 14.12.2023

Region: GER

No data available

Aspiration hazard

No data available

Endocrine disrupting properties

No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

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

Toxicity to fish (acute)

Product Name

MATTES SILICON

White

Source	manufacturer
Evaluation/classification	Based on available data, the classification criteria are not met.

Toxicity to fish (chronic)

Product Name

MATTES SILICON

White

Source	manufacturer
Evaluation/classification	Based on available data, the classification criteria are not met.

Toxicity to Daphnia (acute)

Product Name

MATTES SILICON

White

EC50	10	-	100	mg/l
Duration of exposure			48	h
Species	Daphnia			
Method	OECD 202			
Source	manufacturer			

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)

Product Name

MATTES SILICON

White

EC50	>	100	mg/l
Duration of exposure		72	h
Species	Algae		
Method	OECD 201		
Source	manufacturer		

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No data available

12.2 Persistence and degradability

No data available.

EU safety data sheet

Trade name: MATTES SILICON

Product no.: MSI-T

Current version : 1.0.1, issued: 15.10.2024

Replaced version: 1.0.0, issued: 14.12.2023

Region: GER

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

Other information

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

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

EU safety data sheet

Trade name: MATTES SILICON

Product no.: MSI-T

Current version : 1.0.1, issued: 15.10.2024

Replaced version: 1.0.0, issued: 14.12.2023

Region: GER

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
4	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	236-675-5	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.

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.
H351i	Suspected of causing cancer by inhalation.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

EU safety data sheet

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Product no.: MSI-T

Current version : 1.0.1, issued: 15.10.2024

Replaced version: 1.0.0, issued: 14.12.2023

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V	If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.
W	It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung. This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.
1	The concentration stated or, in the absence of such concentrations, the generic concentrations of this Regulation (Table 3.1) or the generic concentrations of Directive 1999/45/EC (Table 3.2), are the percentages by weight of the metallic element calculated with reference to the total weight of the mixture.

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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Prod-ID 770515