

EU safety data sheet

Trade name: Natursteinsilicon:

Product no.: WGN-T

Current version : 1.0.0, issued: 24.06.2021

Replaced version: -, issued: -

Region: GB

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

1.1 Product identifier

Trade name

Natursteinsilicon:

MARMOR + GRANIT SILICON

Naturstein Silicon 630

bahamabeige /silbergrau /granitgrau /weiß

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

Information provided by / telephone

Department TS, telephone +49 40 694 07-222

e-mail: technik@lugato.de

Advice on Safety Data Sheet

technik@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 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)

EU safety data sheet

Trade name: Natursteinsilicon:

Product no.: WGN-T

Current version : 1.0.0, issued: 24.06.2021

Replaced version: -, issued: -

Region: GB

EUH208
EUH211

Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.
Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary statement(s)

-

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	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%
2	AMINOFUNCTIONAL METHYLSILSESQUIXANE		
	128446-60-6 - - -	Eye Irrit. 2; H319 Flam. Liq. 3; H226 Skin Irrit. 2; H315	< 2.50 wt%
3	Silicic acid (H4SiO4), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane		
	93925-42-9 300-344-4 - 01-2119560586-30	Acute Tox. 4; H302 Aquatic Chronic 3; H412 Eye Dam. 1; H318 Flam. Liq. 3; H226 STOT RE 1; H372 Acute Tox. 4; H332 Muta. 2; H341 Repr. 1A; H360F Repr. 1B; H360D STOT SE 1; H370	< 0.50 wt%
4	3-aminopropyltriethoxysilane		
	919-30-2 213-048-4 612-108-00-0 01-2119480479-24	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317	>= 0.10 - < 1.00 wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	V, W, 10	-	-	-

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
1	H351i inhalational; -; -
3	H370

EU safety data sheet

Trade name: Natursteinsilicon:

Product no.: WGN-T

Current version : 1.0.0, issued: 24.06.2021

Replaced version: -, issued: -

Region: GB

oral; thymus; -

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
3	1000 mg/kg bodyweight		

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 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

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

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.

EU safety data sheet

Trade name: Natursteinsilicon:

Product no.: WGN-T

Current version : 1.0.0, issued: 24.06.2021

Replaced version: -, issued: -

Region: GB

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 in a cool, well-ventilated place. Protect from atmospheric moisture and water.

Requirements for storage rooms and vessels

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

Incompatible products

Acids; Bases; Keep away from water.

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	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 μ m]	13463-67-7	236-675-5
List of approved workplace exposure limits (WELs) / EH40			
Titanium dioxide			
total inhalable dust			
	WEL long-term (8-hr TWA reference period)	10	mg/m ³
List of approved workplace exposure limits (WELs) / EH40			
Titanium dioxide			
respirable dust			
	WEL long-term (8-hr TWA reference period)	4	mg/m ³

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Silicic acid (H ₄ SiO ₄), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane			93925-42-9 300-344-4	
	dermal	Long term (chronic)	systemic	0.006	mg/kg/day
	inhalative	Long term (chronic)	systemic	950	mg/m ³
	inhalative	Long term (chronic)	local	950	mg/m ³
	inhalative	Short term (acut)	systemic	1900	mg/m ³
	inhalative	Short term (acut)	local	1900	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	Silicic acid (H ₄ SiO ₄), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane			93925-42-9 300-344-4	
	oral	Long term (chronic)	systemic	0.003	mg/kg/day

EU safety data sheet

Trade name: Natursteinsilicon:

Product no.: WGN-T

Current version : 1.0.0, issued: 24.06.2021

Replaced version: -, issued: -

Region: GB

	oral	Short term (acut)	systemic	0.003	mg/kg/day
	dermal	Long term (chronic)	systemic	0.003	mg/kg/day
	dermal	Short term (acut)	systemic	0.003	mg/kg/day
	inhalative	Long term (chronic)	systemic	106	mg/m ³
	inhalative	Short term (acut)	systemic	212	mg/m ³
	inhalative	Long term (chronic)	local	425	mg/m ³
	inhalative	Short term (acut)	local	950	mg/m ³

PNEC values

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	Silicic acid (H₄SiO₄), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane		93925-42-9 300-344-4
	water	fresh water	0.001 mg/L
	water	marine water	0 mg/L
	water	Aqua intermittent	0.014 mg/L
	sewage treatment plant	-	100 mg/L
	secondary poisoning	-	0.2 mg/kg food

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn.

Eye / face protection

No special measures required.

Hand protection

In case of intensive contact, wear protective gloves (EN 374). 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

No special measures required.

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/Colour	
pasty	
various colour shades	
Odour	
mild	
pH value	
Comments	neutral
Boiling point / boiling range	
No data available	
Melting point/freezing point	
No data available	

EU safety data sheet

Trade name: Natursteinsilicon:

Product no.: WGN-T

Current version : 1.0.0, issued: 24.06.2021

Replaced version: -, issued: -

Region: GB

Decomposition temperature	
Value	> 150 °C
Flash point	
no data available	
Ignition temperature	
Value	> 400 °C
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	1.01 g/cm ³
Solubility in water	
Comments	insoluble
Solubility	
No data available	
Partition coefficient n-octanol/water (log value)	
No data available	
Viscosity	
Value	140 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; Bases; Water

EU safety data sheet

Trade name: Natursteinsilicon:

Product no.: WGN-T

Current version : 1.0.0, issued: 24.06.2021

Replaced version: -, issued: -

Region: GB

10.6 Hazardous decomposition products

Methanol; Possibility of splitting-off of small amounts of formaldehyde

SECTION 11: Toxicological information

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

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Silicic acid (H ₄ SiO ₄), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane	93925-42-9	300-344-4
LD50		1000	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		

Acute dermal toxicity			
No data available			

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	Silicic acid (H ₄ SiO ₄), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane	93925-42-9	300-344-4
LC50		>	13.5 mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation			
No data available			

Serious eye damage/irritation			
No data available			

Respiratory or skin sensitisation			
No data available			

Germ cell mutagenicity			
No data available			

Reproduction toxicity			
No data available			

Carcinogenicity			
No data available			

STOT - single exposure			
No data available			

STOT - repeated exposure			
No data available			

Aspiration hazard			
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

Endocrine disrupting properties

No data available.

Other information

EU safety data sheet

Trade name: Natursteinsilicon:

Product no.: WGN-T

Current version : 1.0.0, issued: 24.06.2021

Replaced version: -, issued: -

Region: GB

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)	
No data available	

Toxicity to fish (chronic)	
No data available	

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Silicic acid (H ₄ SiO ₄), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane	93925-42-9	300-344-4
EC50	>	150	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)	
No data available	

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	Silicic acid (H ₄ SiO ₄), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane	93925-42-9	300-344-4
EL50	>	320	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)	
No data available	

Bacteria toxicity	
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

Other information
Do not discharge into drains or waters and do not dispose of in public landfills.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

EU safety data sheet

Trade name: Natursteinsilicon:

Product no.: WGN-T

Current version : 1.0.0, issued: 24.06.2021

Replaced version: -, issued: -

Region: GB

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 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

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

The product contains following substance(s) meeting the criteria in Article 57 in association with Article 59 of the REACH regulation ((EC) 1907/2006) that are placed on the list of candidates considered for inclusion in annex XIV (substances subject to Authorisation).

No	Substance name	CAS no.	EC no.
1	decamethylcyclopentasiloxane	541-02-6	208-764-9
2	dodecamethylcyclohexasiloxane	540-97-6	208-762-8

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	decamethylcyclopentasiloxane	541-02-6	208-764-9	70
2	Silicic acid (H ₄ SiO ₄), tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane	93925-42-9	300-344-4	20

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

Carbendazim: 0,75 g/kg

EU safety data sheet

Trade name: Natursteinsilicon:

Product no.: WGN-T

Current version : 1.0.0, issued: 24.06.2021

Replaced version: -, issued: -

Region: GB

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)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H341	Suspected of causing genetic defects
H351i	Suspected of causing cancer by inhalation.
H360D	May damage the unborn child.
H360F	May damage fertility.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful 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)

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

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

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.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 777555

EU safety data sheet

Trade name: Natursteinsilicon:

Product no.: WGN-T

Current version : 1.0.0, issued: 24.06.2021

Replaced version: -, issued: -

Region: GB
