



# SÜDWEST SoSilikat

## Fassadenfarbe

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

These are preservatives.  
Avoid contact with the skin and the eyes.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

The product is alkaline.

Avoid contact with the skin and the eyes.

The potassium silicate contained in this product (aqueous solution, molar ratio > 3.2 and solid content < 40% ) is not subject to marking requirements. Its classification is based on toxicological tests carried out by the CEES (European Centre for Silicate Research - [www.cees-silicates.org](http://www.cees-silicates.org))

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
titanium dioxide	13463-67-7 236-675-5 01-2119489379-17-XXXX	Carc. 2; H351, Note V, Note W, Note 10	≥ 1 - < 10
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00-6	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400  M-Factor (Acute aquatic toxicity): 1  specific concentration limit Skin Sens. 1; H317 ≥ 0,05 %	≥ 0,0025 - < 0,025
2-methyl-2H-isothiazol-3-one	2682-20-4 220-239-6	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 2; H330	≥ 0,0002 - < 0,0015

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		Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071	
		<hr/> M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1	
		<hr/> specific concentration limit Skin Sens. 1A; H317 $\geq 0,0015 \%$	

For explanation of abbreviations see section 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

General advice	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Inhalation	Move to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners. If symptoms persist, call a physician.
Eye contact	Wash contaminated clothing before re-use. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion	Consult a physician. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Obtain medical attention. Keep at rest.

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

Symptoms No information available.

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

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Treatment  
Treat symptomatically.  
No information available.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable extinguishing media  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Water spray

Unsuitable extinguishing media  
High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of:  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Exposure to decomposition products may be a hazard to health.

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Additional advice

Use water spray to cool unopened containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation.

#### 6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Sweep up and shovel.  
Clean with detergents. Avoid solvents.  
Dispose of contaminated material as waste according to item 13.  
Clean contaminated surface thoroughly.

#### 6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

#### Advice on safe handling

Do not get in eyes or mouth or on skin.  
Prevent unauthorized access.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Comply with the statutory regulations on health and safety at work.

#### Hygiene measures

Wash hands before breaks and at the end of workday.

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When using do not eat, drink or smoke.  
Avoid contact with the skin and the eyes.  
Remove and wash contaminated clothing and gloves, including the inside, before re-use.

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

Requirements for storage areas and containers	Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in original container. Keep in a dry place. Observe label precautions. Protect from frost, heat and sunlight.
Advice on protection against fire and explosion	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, fumes.
Advice on common storage	Keep away from oxidizing agents and strongly acid or alkaline materials.

**7.3 Specific end use(s)** For further information, see also Technical Data Sheet for the product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Contains no substances with occupational exposure limit values. The lists that were valid during the creation were used as basis.

### 8.2 Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation.

#### Individual protection measures, such as personal protective equipment

a) Eye/face protection	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water
b) Skin protection Hand protection	Break through time: 480 min Minimum thickness: 0,4 mm Gloves made of nitrile rubber, e.g. KCL 730 Camatril® Velours (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent. Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.  The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. The choice of an appropriate glove does not only depend on its

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Body Protection	material but also on other quality features and is different from one producer to the other. Impervious clothing Skin should be washed after contact.
c) Respiratory protection	Employees involved in spraying work or in the immediate vicinity of such work should use a P2 particle filter against spray fog. Respiratory protection complying with EN 143.

### Environmental exposure controls

General advice	The product should not be allowed to enter drains, water courses or the soil. If the product contaminates rivers and lakes or drains inform respective authorities.
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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	liquid
Colour	various
Odour	Weak, characteristic
Odour Threshold	No data available
pH	ca. 11,2
Melting point/freezing point	> 0 °C
Initial boiling point and boiling range	No data available
Flash point	> 100 °C
Evaporation rate	not applicable
Flammability (solid, gas)	not applicable
Upper explosion limit / Upper flammability limit	No data available
Lower explosion limit / Lower flammability limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	ca. 1,51 g/cm <sup>3</sup> (20 °C)
Solubility(ies)	
Water solubility	completely miscible
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not auto-flammable
Decomposition temperature	No data available

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Viscosity	
Viscosity, dynamic	ca. 1.600 - 2.600 mPa.s
Explosive properties	Not explosive
Oxidizing properties	Not applicable

### 9.2 Other information

Flow time	No data available
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## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	This information is not available.
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### 10.4 Conditions to avoid

Conditions to avoid	Stable under recommended storage and handling conditions (see section 7).
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### 10.5 Incompatible materials

Materials to avoid	Strong acids Oxidizing agents
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### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

## SECTION 11: TOXICOLOGICAL INFORMATION

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

#### Acute toxicity

##### Product:

Acute oral toxicity	Based on available data, the classification criteria are not met.
Acute inhalation toxicity	Based on available data, the classification criteria are not met.
Acute dermal toxicity	Based on available data, the classification criteria are not met.

##### Components:

**1,2-benzisothiazol-3(2H)-one:**

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Acute oral toxicity Harmful if swallowed.

**2-methyl-2H-isothiazol-3-one:**  
Acute oral toxicity Toxic if swallowed.

Acute inhalation toxicity Toxic if inhaled.

Acute dermal toxicity Toxic in contact with skin.

### Skin corrosion/irritation

#### Product:

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

#### Components:

**1,2-benzisothiazol-3(2H)-one:**  
Causes skin irritation.

**2-methyl-2H-isothiazol-3-one:**  
Causes severe skin burns and eye damage.

### Serious eye damage/eye irritation

#### Product:

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

#### Components:

**1,2-benzisothiazol-3(2H)-one:**  
Causes serious eye damage.

**2-methyl-2H-isothiazol-3-one:**  
Causes serious eye damage.

### Respiratory or skin sensitisation

#### Product:

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

#### Components:

**1,2-benzisothiazol-3(2H)-one:**  
May cause an allergic skin reaction.

**2-methyl-2H-isothiazol-3-one:**  
May cause an allergic skin reaction.

### Germ cell mutagenicity

#### Product:

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

### Carcinogenicity

#### Product:

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

#### Components:

**titanium dioxide:**  
Suspected of causing cancer.



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### Reproductive toxicity

#### Product:

Effects on fertility

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

Developmental Toxicity

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

### STOT - single exposure

#### Product:

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

### STOT - repeated exposure

#### Product:

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

### Aspiration toxicity

#### Product:

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

### Toxicology, Metabolism, Distribution

#### Further information

#### Product:

The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Experience with human exposure

#### Product:

General Information

Long-term or repeated contact with the product leads to degreasing of the skin and can cause nonallergenic contact skin damage (contact dermatitis) and / or the resorption of substances.

Danger of irritation to eyes, nose, throat and the air passages.

### Further information

#### Product:

Remarks

: The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

## SECTION 12: ECOLOGICAL INFORMATION

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### 12.1 Toxicity

#### Product:

Toxicity to fish No data available

#### Components:

##### **1,2-benzisothiazol-3(2H)-one:**

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): 1,6 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates EC50 (Daphnia (water flea)): 2,94 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants EC50 (Selenastrum capricornutum (green algae)): 0,11 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) 1

Toxicity to microorganisms EC50 (Pseudomonas putida): 0,4 mg/l  
Exposure time: 16 h

##### **2-methyl-2H-isothiazol-3-one:**

Toxicity to fish LC50 (Fish): 4,77 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates LC50 (Daphnia magna (Water flea)): 0,934 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants NOEC (Pseudokirchneriella subcapitata (algae)): 0,05 mg/l  
Exposure time: 120 h  
Test Type: static test

EC50 (Pseudokirchneriella subcapitata (algae)): 0,138 mg/l  
Exposure time: 120 h  
Test Type: static test

M-Factor (Acute aquatic toxicity) 10

Toxicity to microorganisms EC50 (activated sludge): 41 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

Toxicity to fish (Chronic toxicity) NOEC: 2,38 mg/l  
Exposure time: 98 d  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: OECD Test Guideline 210

Toxicity to daphnia and other NOEC: 0,044 mg/l

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aquatic invertebrates (Chronic toxicity)	Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
M-Factor (Chronic aquatic toxicity)	1
<b>12.2 Persistence and degradability</b>	
<b>Product:</b>	
Biodegradability	No data available
<b>Components:</b>	
<b>1,2-benzisothiazol-3(2H)-one:</b>	
Biodegradability	rapidly degradable Biodegradation: > 90 % Method: OECD Test Guideline 303A
<b>2-methyl-2H-isothiazol-3-one:</b>	
Biodegradability	Readily biodegradable.
<b>12.3 Bioaccumulative potential</b>	
<b>Product:</b>	
Bioaccumulation	No data available
<b>Components:</b>	
<b>1,2-benzisothiazol-3(2H)-one:</b>	
Partition coefficient: n-octanol/water	log Pow: 0,4
<b>2-methyl-2H-isothiazol-3-one:</b>	
Bioaccumulation	Bioconcentration factor (BCF): 3,16
<b>12.4 Mobility in soil</b>	
<b>Product:</b>	
Mobility	No data available
<b>12.5 Results of PBT and vPvB assessment</b>	
<b>Product:</b>	
Assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..
<b>12.6 Endocrine disrupting properties</b>	
<b>Product:</b>	
Assessment	: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
<b>12.7 Other adverse effects</b>	
<b>Product:</b>	
Additional ecological information	The product is alkaline. Do not allow product to enter into ground water, bodies of water or sewage systems.

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### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product	The user is responsible for proper coding and marking of any waste. Dispose of as special waste in compliance with local and national regulations. Partial and residual quantities can be reused.
Contaminated packaging	Packaging that is not properly emptied must be disposed of as the unused product. Empty packaging should be recycled through disposal systems.
Waste key for the unused product	08 01 12 Waste paint and varnish other than those covered by 08 01 11

### SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN number or ID number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

#### 14.6 Special precautions for user

Remarks This information is not available.

#### 14.7 Maritime transport in bulk according to IMO instruments

Remarks Not applicable

### SECTION 15: REGULATORY INFORMATION

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

VOC  
Directive 2010/75/EU 0,3 %



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Skin Irrit. : Skin irritation  
Skin Sens. : Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Other information The assessment was carried out in accordance with Article 6 (5) and Appendix I of EC Directive no. 1272/2008.

It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.

Department issuing MSDS sdb@suedwest.de  
REG\_EU / EN

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