according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



DE / EN

# Silikat Fassadengrund

Version Revision Date: SDS Number: Date of last issue: 19.02.2025 2.4 25.06.2025 6000764 Date of first issue: 01.02.2019

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

1.1 Product identifier

Trade name : Silikat Fassadengrund

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

Use of the Sub- : Water-borne coatings

stance/Mixture

Recommended restrictions

on use

: within adequate application - none

1.3 Details of the supplier of the safety data sheet

Company : Alpina Farben GmbH

Roßdörfer Straße 50

64372 OBER RAMSTADT

Telephone : +498001238887 Telefax : +4961547170632

Website : www.alpina-farben.de E-mail address Responsi- : msds@dr-rmi.com

ble/issuing person

1.4 Emergency telephone

Emergency telephone 1 : +49613284463 GBK GmbH

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

# Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### 2.2 Label elements

# Labelling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

### 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.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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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.

Due to its potassium silicate content, the reaction of silicate based coatings is highly alkaline. Hence protect skin and eyes from paint.

Ensure thorough ventilation during and after application. Do not allow to enter into surface water or drains.

# **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

Chemical nature : primer based on silicate, aqueous

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Silicic acid, potassium salt	1312-76-1 215-199-1 01-2119456888-17	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335  specific concentration limit Skin Irrit. 2; H315 >= 40 % Eye Irrit. 2; H319 >= 40 % STOT SE 3; H335 >= 75 %	>= 1 - < 10

For explanation of abbreviations see section 16.

# **SECTION 4: First aid measures**

# 4.1 Description of first-aid measures

General advice : Never give anything by mouth to an unconscious person.

If you feel unwell, seek medical advice (show the label where

possible).

Move out of dangerous area. First aider needs to protect himself.

If inhaled : Move to fresh air.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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In case of skin contact : Take off all contaminated clothing immediately.

Do NOT use solvents or thinners.

In case of contact, immediately flush skin with soap and plenty

of water.

In case of eye contact : If eye irritation persists: Get medical advice/ attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing.

If swallowed : Seek medical advice.

Clean mouth with water and drink afterwards plenty of water.

If swallowed, DO NOT induce vomiting.

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

None known.

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

Treatment : No information available.

# **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or car-

bon dioxide.

Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Do not use a solid water stream as it may scatter and spread

fire.

Unsuitable extinguishing

media

None known.

# 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire

fighting

In case of fire hazardous decomposition products may be

produced such as:

Carbon monoxide, carbon dioxide and unburned hydrocar-

bons (smoke).

### 5.3 Advice for firefighters

Special protective equipment :

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

Further information : Use water spray to cool unopened containers.

Standard procedure for chemical fires. The product itself does not burn.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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#### **SECTION 6: Accidental release measures**

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

Personal precautions : Use protective shoes or boots with rough rubber sole.

Material can create slippery conditions. Do not get in eyes, on skin, or on clothing.

6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Do not flush into surface water or sanitary sewer system.

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

Methods for cleaning up : Keep in suitable, closed containers for disposal.

Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

### 6.4 Reference to other sections

For further information see Section 7 of the safety data sheet.

, For personal protection see section 8., For disposal considerations see section 13.

### **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.

No special technical protective measures required.

Hygiene measures : Wash hands before eating, drinking, or smoking. Do not eat,

drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating

areas.

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

Requirements for storage

areas and containers

: Perishable if frozen. To maintain product quality, do not store in heat or direct sunlight. Store at room temperature in the original container. Containers which are opened must be care-

fully resealed and kept upright to prevent leakage.

Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline

materials.

Storage class (TRGS 510) : 12

7.3 Specific end use(s)

Specific use(s) : This information is not available.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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# **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

# **Occupational Exposure Limits**

Contains no substances with occupational exposure limit values.

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Routes of expo- sure	Potential health effects	Value
Silicic acid, potassium salt	Consumers	Inhalation	Long-term systemic effects	1,38 mg/m3
	Consumers	Ingestion	Long-term systemic effects	0,74 mg/kg bw/day
	Consumers	Skin contact	Long-term systemic effects	0,74 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	5,61 mg/m3
	Workers	Skin contact	Long-term systemic effects	1,49 mg/kg bw/day

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Silicic acid, potassium salt	Sea water	1 mg/l
	Intermittent use/release	7,5 mg/l
	Fresh water	7,5 mg/l
	Sewage treatment plant	348 mg/l

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : DGUV Regulation 112-192 - Use of eye and face protection

Goggles

Hand protection

Material : Nitrile rubber Glove thickness : 0,2 mm Protective index : Class 3

Remarks : Before removing gloves clean them with soap and water.

Wear suitable gloves tested to EN374.

DGUV Regulation 112-195 - Use of protective gloves

Skin and body protection : Safety shoes

Long sleeved clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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Skin should be washed after contact.

Respiratory protection : No personal respiratory protective equipment normally re-

quired.

DGUV Regulation 112-190 - Use of breathing equipment

During spray application: Do not breathe spray dust. Use

A2/P2 combination filter for paint spraying.

# **SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties

Physical state : liquid

Color : white

Odor : characteristic

Melting point/freezing point : ca. 0 °C

Boiling point/boiling range : ca. 100 °C

Upper explosion limit / Upper

flammability limit

not determined

Lower explosion limit / Lower

flammability limit

not determined

Flash point : Not applicable

Autoignition temperature : not determined

Decomposition temperature : Not applicable

pH : 11,4 (20 °C)

Concentration: 100 %

Method: DIN EN ISO 19396-1:2020-05

Viscosity

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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Viscosity, dynamic : not determined

Viscosity, kinematic : not determined

Flow time : not determined

Solubility(ies)

Water solubility : completely miscible

Partition coefficient: n-

octanol/water

: not determined

Vapor pressure : ca. 23,4 hPa (20 °C)

Relative density : not determined

Density : 1,06 g/cm3 (20 °C)

Bulk density : Not applicable

Relative vapor density : not determined

9.2 Other information

Explosives : Not applicable

Oxidizing properties : Not applicable

Flammability (liquids) : The product is not flammable.

Evaporation rate : Not applicable

# **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No decomposition if stored and applied as directed.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

#### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

#### 10.5 Incompatible materials

Materials to avoid : Incompatible with acids and bases.

Incompatible with oxidizing agents.

#### 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**

Not classified based on available information.

#### Skin corrosion/irritation

Not classified based on available information.

# Serious eye damage/eye irritation

Not classified based on available information.

### Respiratory or skin sensitization

### Skin sensitization

Not classified based on available information.

### Respiratory sensitization

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

#### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

Not classified based on available information.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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### **Aspiration toxicity**

Not classified based on available information.

#### 11.2 Information on other hazards

### **Endocrine disrupting properties**

Not classified based on available information.

#### **Product:**

Assessment : The substance/mixture does not contain components consid-

ered 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.

# **SECTION 12: Ecological information**

### 12.1 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

### **Product:**

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.

#### 12.6 Endocrine disrupting properties

### **Product:**

Assessment : The substance/mixture does not contain components consid-

ered 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.

### 12.7 Other adverse effects

#### **Product:**

Additional ecological infor-

mation

: An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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# **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

Product : Materials and all related packaging must be disposed of in a

safe way in accordance with the full requirements of the local,

regional, national and international authorities.

Washing water must not be discharged into the sewage sys-

tem or the environment.

Contaminated packaging : Only completely emptied containers should be given for recy-

cling.

Waste Code : used product

080112, waste paint and varnish other than those mentioned

in 08 01 11\*

### **SECTION 14: Transport information**

#### 14.1 UN number or ID number

ADN : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.2 UN proper shipping name

ADN : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADN : Not regulated as a dangerous good
ADR : Not regulated as a dangerous good
RID : Not regulated as a dangerous good
IMDG : Not regulated as a dangerous good
IATA : Not regulated as a dangerous good

14.4 Packing group

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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**ADN** Not regulated as a dangerous good **ADR** Not regulated as a dangerous good RID Not regulated as a dangerous good **IMDG** Not regulated as a dangerous good IATA (Cargo) Not regulated as a dangerous good IATA (Passenger) Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks Not classified as dangerous in the meaning of transport regu-

lations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

### **SECTION 15: Regulatory information**

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances,

mixtures and articles (Annex XVII)

REACH - Candidate List of Substances of Very High

Concern for Authorization (Article 59) (SVHC).

Regulation (EU) No 2024/590 on substances that de-

plete the ozone layer

Regulation (EU) 2019/1021 on persistent organic pollu-

tants (recast)

REACH - List of substances subject to authorisation

(Annex XIV)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving

dangerous substances.

Water hazard class (Germa-

ny)

WGK 1 slightly water endangering

Classification according to AwSV, Annex 1 (5.2)

: Not applicable

Not applicable

Not applicable

: None

None

Not applicable

: Coating materials, water-based, alkaline

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according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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Directive 2010/75/EU of 24 November 2010 on industrial and Volatile organic compounds

livestock rearing emissions (integrated pollution prevention

and control)

Volatile organic compounds (VOC) content: 0,02 %

: Directive 2004/42/EC Volatile organic compounds

> < 0.1 % < 1 g/l

#### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

#### **SECTION 16: Other information**

#### **Full text of H-Statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation. May cause respiratory irritation. H335

#### Full text of other abbreviations

Eye Irrit. Eye irritation Skin Irrit. Skin irritation

STOT SE Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - 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 - Inventor of Stripped Chemicals and Agency for Research Agreement Agriting Pageograph (MO). International Civil Aviation Organization; IECSC - Inventor of Ships carrying Dangerous Chemicals in Bulk; Ic50 - Half maximal Inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventor of Ships carrying Dangerous Chemicals and Agriting Pageographs (MO). International Civil Aviation Organization; IECSC - Inventor of Ships carrying Dangerous Chemicals and Agriting Pageographs (MO). International Civil Aviation Organization; IECSC - Inventor of Ships carrying Chemicals and Agriting Pageographs (MO). International Civil Aviation Organization; IECSC - Inventor of Ships carrying Chemicals and Agriting Pageographs (MO). International Civil Aviation Organization; IECSC - Inventor of Sh tory 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 Snips; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - NO Effect Policy Effect Level; NOELR - NO Observed (Adverse) Effect Level; NOELR - NOELR 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 No exposure scenario communication is required for this

> product according to REACH Regulation No. 1907/2006 EC. Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accord-

ance with Regulations 1272/2008 EC or 1999/45/EC.

Sources of key data used to ECHA WebSite

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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compile the Material Safety Data Sheet ACGIH (American Conference of Government Industrial Hygienists). 2014 TLVs and BEIs. Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation. 2014 ACGIH, Cincinnati OH

NIOSH - Registry of toxic effects of chemical substances ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S - Dangerous properties of industrial materials GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance) Toxnet - Toxicology Data Network

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### **REACH Information**

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly.

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