

## Kieselit Klima Mörtel

Version 1.2

Revision Date 02.06.2016

Print Date 30.11.2017

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

#### 1.1 Product identifier

Trade name : Kieselit Klima Mörtel

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

Use of the Sub-  
stance/Mixture : Glue and reinforcing compound

Recommended restrictions  
on use : within adequate application - none

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

Company : Alligator Farbwerke GmbH  
Markstraße 203  
32130 Enger  
Telephone : +4952249300  
Telefax : +4952247881  
E-mail address Respon-  
sible/issuing person : produktsicherheit@alligator.de

#### 1.4 Emergency telephone number

Emergency telephone num-  
ber 1 : +495224930400  
( Mon - Fri 08:00 - 16:00 )

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Skin irritation, Category 2 H315: Causes skin irritation.

Serious eye damage, Category 1 H318: Causes serious eye damage.

Specific target organ toxicity - single ex-  
posure, Category 3, Respiratory system H335: May cause respiratory irritation.

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### 2.2 Label elements

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

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

Precautionary statements : P102 Keep out of reach of children.  
**Prevention:**  
P260 Do not breathe dust or mist.  
P280 Wear protective gloves/ protective clothing/  
eye protection/ face protection.  
**Response:**  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do  
NOT induce vomiting.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with wa-  
ter for several minutes. Remove contact  
lenses, if present and easy to do. Continue  
rinsing.  
P313 Get medical advice/ attention.

Hazardous components which must be listed on the label:

Cement, portland, chemicals

### 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.

Due to its potassium silicate content, the reaction of silicate based coatings is highly alkaline. Hence protect skin and eyes from paint., The areas adjoining the surface to be coated must be carefully masked, in particular glass, ceramics, enamel/varnish coating, clinkers, natural stones, wood and metals. Wash splashes immediately and completely with plenty of clean water.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : Cement mortar with hydrated lime

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
calcium dihydroxide	1305-62-0 215-137-3 01-2119475151-45-XXXX	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	>= 5 - < 10
Cement, portland, chemicals	65997-15-1 266-043-4	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	>= 10 - < 20
Flue dust, portland cement	68475-76-3 270-659-9 01-2119486767-17-XXXX	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	>= 3 - < 5

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.

If inhaled : If breathed in, move person into fresh air.  
If symptoms persist, call a physician.

In case of skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  
If symptoms persist, call a physician.

In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

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

Symptoms : No information available.

Risks : No information available.

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

Treatment : No information available.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires.

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### SECTION 6: Accidental release measures

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

Personal precautions : Avoid dust formation.  
Ensure adequate ventilation.  
Refer to protective measures listed in sections 7 and 8.  
Treat recovered material as described in the section "Disposal considerations".

#### 6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Prevent dust from forming and collect any dust mechanically.  
  
Collect spilled product while avoiding dust formation and dispose of it as described in Section 13.

#### 6.4 Reference to other sections

For disposal considerations see section 13.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : Avoid creating dust.  
Avoid contact with skin and eyes.  
Even diluted mixed products containing cement can cause irritation.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Avoid contact with the skin and the eyes. Keep away from food and drink.

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

- Requirements for storage areas and containers : Store in original container. Keep in a dry, cool place. Observe label precautions.
- Advice on common storage : Keep away from food and drink.  
Never allow product to get in contact with water during storage.  
Do not store near acids.
- Storage class (TRGS 510) : 13, Non Combustible Solids
- Other data : Aqueous cement suspensions have an alkaline effect.

### 7.3 Specific end use(s)

- Specific use(s) : Please follow the technical information of the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
calcium dihydroxide	1305-62-0	AGW (inhalable fraction)	1 mg/m <sup>3</sup>	DE TRGS 900
		AGW (inhalable fraction)	1 mg/m <sup>3</sup>	DE TRGS 900
		TWA	5 mg/m <sup>3</sup>	91/322/EEC
Further information	Existing scientific data on health effects appear to be particularly limited, Indicative			

### 8.2 Exposure controls

#### Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

#### Personal protective equipment

Eye protection : If dust develops or there is a danger of splashing, use protective goggles with side protection.

#### Hand protection

- Material : nitrile coated cotton gloves  
Break through time : > 480 min  
Glove thickness : 0,8 mm  
Protective index : Class 6

Remarks : No chemical protection gloves (cat. III according to EN374) are necessary. If the chemical has soaked through to the skin, the gloves must be removed and disposed. Keep a spare pair of gloves handy.

Skin and body protection : Long sleeved clothing

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Respiratory protection	: Breathing apparatus only if aerosol or dust is formed. Effective dust mask
Filter type	: P2 filter
Protective measures	: Follow the skin protection plan.

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance	: powder
Colour	: white
Odour	: cement-like
Odour Threshold	: Not applicable
pH	: 11 - 13,5, in contact with water
Melting point/range	: not determined
Boiling point/boiling range	: Not applicable
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: The product is not flammable.
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: not determined
Relative vapour density	: Not applicable
Relative density	: No data available
Bulk density	: ca. 1.040 - 1.140 kg/m <sup>3</sup>
Solubility(ies)	
Water solubility	: insoluble
Partition coefficient: n-octanol/water	: not determined
Auto-ignition temperature	: not determined
Decomposition temperature	: Not applicable
Flow time	: Not applicable
Explosive properties	: Not applicable

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Oxidizing properties : No data available

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if used as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Exposure to air or moisture over prolonged periods.

### 10.5 Incompatible materials

Materials to avoid : Acids  
humid air and water  
Ammonium salts

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

Acute oral toxicity : No data is available on the product itself.

Acute inhalation toxicity : No data is available on the product itself.

Acute dermal toxicity : No data is available on the product itself.

Acute toxicity (other routes of administration) : Remarks: No data is available on the product itself.

##### Components:

##### **calcium dihydroxide:**

Acute oral toxicity : LD50 Oral (Rat): 7.340 mg/kg

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

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### Skin corrosion/irritation

**Product:**

Remarks: May cause skin irritation and/or dermatitis.

### Serious eye damage/eye irritation

**Product:**

Remarks: May cause irreversible eye damage.

### Respiratory or skin sensitisation

**Product:**

Remarks: No data available

### Further information

**Product:**

Remarks: No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

Toxicity to fish : No data is available on the product itself.

Toxicity to daphnia and other aquatic invertebrates : No data is available on the product itself.

### 12.2 Persistence and degradability

**Product:**

Biodegradability : No data available

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : No data available

### 12.4 Mobility in soil

**Product:**

Mobility : 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..



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### 12.6 Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- Product : Can be landfilled after concentration, when in compliance with local regulations.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
- Waste Code : Can be landfilled after concentration, when in compliance with local regulations.

## SECTION 14: Transport information

### 14.1 UN 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

Not regulated as a dangerous good

### 14.6 Special precautions for user

Remarks : see sections 6-8

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : Not applicable

## SECTION 15: Regulatory information

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

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

Not applicable

Water contaminating class (Germany) : 1 slightly water endangering  
Classification according VwVwS, Annex 4.

Product code for laquers and paints / Giscode : ZP1 Products containing cement, low-chromate (additional information: [www.wingis-online.de](http://www.wingis-online.de))

Volatile organic compounds : Directive 2004/42/EC  
0 %  
< 1 g/l

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Other regulations:

The product contains chromate reducers, as a result of which the water-soluble chromium (VI) content is less than 0,0002%. In the event of incorrect storage (ingress of moisture) or overlong storage, the chromate reducers contained in the product can lose their efficacy and a sensitising effect of the cement / binding agent may occur in the event of contact with the skin (H317 or EUH203).

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

### SECTION 16: Other information

#### Full text of H-Statements

H315 : Causes skin irritation.  
H318 : Causes serious eye damage.  
H335 : May cause respiratory irritation.

#### Full text of other abbreviations

Eye Dam. : Serious eye damage  
Skin Irrit. : Skin irritation  
STOT SE : Specific target organ toxicity - single exposure

(Q)SAR - (Quantitative) Structure Activity Relationship; 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; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; DIN - Standard of the German Institute for Standardisation; 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; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; 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; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; 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; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; 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; TRGS - Technical Rule for Hazardous Substances; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice

#### Further information

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.

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### **REACH and GHS/CLP Information**

According to our legal obligations we will implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and GHS respectively the Regulation (EC) No 1272/2008. REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP). 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. This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31, 2018.

The amendment of safety data sheets of mixtures or preparations in accordance with GHS /CLP regulation will be carried out during a transitional period until June 1, 2015. We will conduct the adjustment of our safety data sheets during the time frame of the transitional period as soon as new information is available from our suppliers.

DE / EN