

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 08.07.2015

Version number 1

Revision: 08.07.2015

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

- **Date of compilation:** 08.07.2015
- **1.1 Product identifier**
- **Trade name:** SILCACON Kalkputz
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation:** Ready-mixed mortar
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**
SILCA Service- und Vertriebsgesellschaft für Dämmstoffe mbH
Auf dem Hüls 6
D-40822 Mettmann
Germany
Tel.: +49 (0)2104/9727-0
Fax: +49 (0)2104/9727-25
- **E-mail address of the competent person responsible for the Safety Data Sheet:** sdb@csb-online.de
- **Informing department:** Tel.: +49 (0)2104/9727-18
- **1.4 Emergency telephone number:** As above or next toxicological information centre

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**
Calcium dihydroxide
Cement, portland, (< 2 ppm soluble chromium(VI))
- **Hazard statements**
H315 Causes skin irritation.
H318 Causes serious eye damage.
- **Precautionary statements**
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 1305-62-0	Calcium dihydroxide	5 - <20%
EINECS: 215-137-3	☞ Eye Dam. 1, H318; ☞ Skin Irrit. 2, H315	
CAS: 65997-15-1	Cement, portland, (< 2 ppm soluble chromium(VI))	0.5 - <10%
EINECS: 266-043-4	☞ Eye Dam. 1, H318; ☞ Skin Irrit. 2, H315	

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing contaminated by the product.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact:**
Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
Take off contaminated clothing.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult doctor.
Remove contact lenses, if present and easy to do.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; instantly call for medical help.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** symptomatic treatment

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture**
Can be released in case of fire:
Irritant gases/vapours
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
If without risk possible, move drums with material away from dangerous area.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.

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- Ensure adequate ventilation.
- Avoid causing dust.
- Do not breathe dust.
- Avoid contact with skin and eyes.
- **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
 - Ensure adequate ventilation.
 - Collect mechanically.
 - Send for recovery or disposal in suitable containers.
 - Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
 - See Section 7 for information on safe handling
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of dust.
 - Avoid contact with skin and eyes.
 - Any deposit of dust which cannot be avoided must be removed regularly.
 - Do not breathe dust.
 - Keep containers tightly sealed.
 - Make sure that all applicable workplace limits are observed.
- **Information about protection against explosions and fires:** The product is not flammable.
- **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage**
 - **Requirements to be met by storerooms and containers:**
 - Store only in the original container.
 - Seamless, smooth floor and walls.
 - Observe all local and national regulations for storage of water polluting products.
 - **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Do not store together with acids.
 - Store away from metals.
 - **Further information about storage conditions:**
 - Store container in a well ventilated position.
 - Store in cool, dry conditions in well sealed containers.
 - Protect from humidity and keep away from water.
 - Keep out of the reach of children.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**
 - Observe all workplace limits for dust.

1305-62-0 Calcium dihydroxide

WEL (Great Britain)	Long-term value: 5 mg/m ³
IOELV (European Union)	Long-term value: 5 mg/m ³

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65997-15-1 Cement, portland, (< 2 ppm soluble chromium(VI))

WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust
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1309-37-1 Diiron trioxide

WEL (Great Britain)	Short-term value: 10* mg/m ³ Long-term value: 5* 10** 4*** mg/m ³ *fume (as Fe), **total respirable, ***respirable
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1309-48-4 Magnesium Oxide

WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ (as Mg) *inhalable dust **fume and respirable dust
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· DNELs**1305-62-0 Calcium dihydroxide**

Inhalative	DNEL acute / short-term exposure - local effects	4 mg/m ³ (worker)
	DNEL acute / short-term exposure - systemic effect	4 mg/m ³ (worker)
	DNEL long-term exposure - systemic effects	1 mg/m ³ (worker)

· PNECs**1305-62-0 Calcium dihydroxide**

PNEC	0.49 mg/l (aqua (freshwater))
	0.49 mg/l (aqua (intermittent releases))
	0.32 mg/l (aqua (marine water))
	1080 mg/kg (soil)
	3 mg/l (STP (sewage treatment plant))

· 8.2 Exposure controls**· Personal protective equipment****· General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Instantly remove any contaminated garments.

Wash hands during breaks and at the end of the work.

Use skin protection cream for preventive skin protection.

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while working.

Do not breathe dust.

Dispose of or clean any contaminated garments thoroughly.

· Breathing equipment: Use breathing protection in case of dust formation.**· Recommended filter device for short term use:** Filter P2**· Protection of hands:**

Alkaline resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· Material of gloves

e.g. Cotton nitrile gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Safety glasses

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- **Body protection:**
Alkaline resistant protective clothing
Body protection must be chosen depending on activity and possible exposure.
- **Limitation and supervision of exposure into the environment**
Do not allow to enter drainage system, surface or ground water.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Powder
· Colour:	white
· Smell:	odourless
· Odour threshold:	not determined

· **pH-value:** not determined

· Change in condition

· Melting point/Melting range:	not determined
· Boiling point/Boiling range:	not determined

· **Flash point:** not applicable

· **Inflammability (solid, gaseous)** not applicable

· **Ignition temperature:** not applicable

· **Decomposition temperature:** Not determined.

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· Critical values for explosion:

· Lower:	not applicable
· Upper:	not applicable

· **Oxidising properties** not determined

· **Vapor pressure:** Not applicable.

· **Density:** not determined

· **Bulk density at 20 °C:** 1400 - 1700 kg/m³

· **Relative density** Not determined.

· **Vapour density (AIR = 1):** Not applicable.

· **Evaporation rate** Not applicable.

· Solubility in / Miscibility with

· **Water:** insoluble

· **Partition coefficient (n-octanol/water):** Not determined.

· Viscosity:

· **dynamic:** Not applicable.

· **kinematic:** Not applicable.

· **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.

· **10.2 Chemical stability**

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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- **10.3 Possibility of hazardous reactions**
Reacts with acids
Corrosive action on metals
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Acids
- **10.6 Hazardous decomposition products:** Irritant gases/vapours

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**

· **LD/LC50 values that are relevant for classification:**

1305-62-0 Calcium dihydroxide

Oral	LD50	7340 mg/kg (rat)
		2500 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**

· **Aquatic toxicity:**

1305-62-0 Calcium dihydroxide

EC50/72 h	184.6 mg/l (algae)
LC50/96 h	160 mg/l (gambusia affinis)

- **12.2 Persistence and degradability**
Anorganic product, is not eliminable from water by means of biological cleaning processes.
- **12.3 Bioaccumulative potential** Not bioaccumulative
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Water hazard class 1 (Self-assessment): slightly hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.
- **European waste catalogue:**
Waste disposal key numbers from EWC have to be assigned depending on origin and processing.
- **Uncleaned packagings:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

SECTION 14: Transport information

- | | |
|--|--|
| · 14.1 UN-Number
· ADR, IMDG, IATA | Void |
| · 14.2 UN proper shipping name
· ADR, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es)
· ADR, IMDG, IATA
· Class | Void |
| · 14.4 Packing group
· ADR, IMDG, IATA | Void |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | - |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **Information about limitation of use:** Employment restrictions concerning young persons must be observed.
- **Decree to be applied in case of technical fault:** Directive 2012/18/EU does not apply.
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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· **Relevant phrases**

The(se) H-phrase(s) are those of the ingredient(s) and do(es) not necessarily represent the classification of the product.

H315 Causes skin irritation.

H318 Causes serious eye damage.

· **Department issuing MSDS:**

C.S.B. GmbH Phone: +49 - 2151 - 652086-0

Düsseldorfer Str. 113 Fax: +49 - 2151 - 652086-9

47809 Krefeld / Germany

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

· **Sources:** *These data are based on information submitted by pre-suppliers.*

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