

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 17.09.2009

Revision: 17.09.2009

1 Identification of substance:

- **Product details:**
- **Trade name:** Calsitherm KP-Kalkglätte
- **Application of the substance / the preparation:** Building material
- **Manufacturer / Supplier:**
 Calsitherm Silikatbaustoffe GmbH
 An der Eiche 15
 D-33175 Bad Lippspringe
 Germany
 Tel.: +49-(0)5252/9651-0
 Fax: +49-(0)5252/9651-18
- **E-mail address of the competent person responsible for the Safety Data Sheet:** *sdb@csb-online.de*
- **Informing department:**
 Tel.: +49-(0)5254/99092-30, -20, -21
 Fax: +49-(0)5254/99092-17
- **Emergency information:** Giftnotzentrale Bonn Tel.: +49 (0) 228 19 240

2 Hazards identification

- **Hazard designation:**



Xi Irritant

- **Information pertaining to particular dangers for man and environment**
 R 41 Risk of serious damage to eyes.
- **Classification system**
 The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 1305-62-0 EINECS: 215-137-3	Calcium dihydroxide	Xi; R 38-41	5-20%
CAS: 65997-15-1 EINECS: 266-043-4	Cement, portland, chemicals	Xi; R 38-41	1-10%

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

4 First aid measures

- **General information:** Remove contaminated clothing.
- **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact:**
 Wash with soap and water.
 If skin irritation continues, consult a doctor.
- **After eye contact:**
 Rinse opened eye for several minutes under running water.
 Use eye protection.
 Call a doctor immediately.
- **After swallowing:**
 Rinse out mouth and then drink plenty of water.

(Contd. on page 2)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 17.09.2009

Revision: 17.09.2009

Trade name: Calsitherm KP-Kalkglätte

(Contd. of page 1)

Do not induce vomiting; instantly call for medical help.

5 Fire fighting measures

- **Suitable extinguishing agents**
Product does not burn - take extinguishing measures according to fire conditions.
- **Special hazards caused by the material, its products of combustion or flue gases:**
Calcium oxide
Silica fumes
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation.
Avoid causing dust.
Avoid breathing dust.
Avoid skin and eye contact.
Wear protective clothing and keep away unprotected persons.
- **Measures for environmental protection:**
Damp down dust with water spray jet.
Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
Ensure adequate ventilation.
Collect mechanically.
Send for recovery or disposal in suitable containers.
Dispose of the material collected according to regulations.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
Any deposit of dust which cannot be avoided must be removed regularly.
Do not breathe dust.
Make sure that all applicable workplace limits are observed.
Avoid skin and eye contact.
- **Information about protection against explosions and fires:** The product is not flammable.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Observe all local and national regulations for storage of water polluting products.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:**
Keep container tightly sealed.
Protect from humidity and keep away from water.
Store under dry conditions.
Store in a locked cabinet and out of the reach of children.

GB

(Contd. on page 3)

Safety Data Sheet

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Revision: 17.09.2009

Trade name: *Calsitherm KP-Kalkglätte*

(Contd. of page 2)

8 Exposure controls and personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with critical values that require monitoring at the workplace:**

Observe all workplace limits for dust:

OEL total dust: 10 mg/m³

OEL respirable dust: 3 mg/m³

1305-62-0 Calcium dihydroxide

WEL (Great Britain)

Long-term value: 5 mg/m³

IOELV (European Union)

Long-term value: 5 mg/m³

65997-15-1 Cement, portland, chemicals

WEL (Great Britain)

Long-term value: 10* 4** mg/m³

*inhalable dust **respirable dust

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **Personal protective equipment**

· **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Do not eat, drink or smoke while working.

Instantly remove any contaminated garments.

Avoid contact with the eyes and skin.

Do not breathe dust.

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

Use skin protection cream for preventive skin protection.

· **Breathing equipment:** Use breathing protection in case of dust formation.

· **Recommended filter device for short term use:** Partikelfilter DIN EN 143 Type P1

· **Protection of hands:**

Protective gloves

To avoid skin problems reduce the wearing of gloves to the required minimum.

Check the permeability prior to each renewed use of the glove.

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

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.

Protective gloves should be replaced at first signs of wear.

· **Not suitable are gloves made of the following materials:** Leather gloves

· **Eye protection:** Tightly sealed safety glasses

· **Body protection:**

Protective work clothing

Protective clothing should be selected specifically for the working place.

9 Physical and chemical properties:

· **General Information**

Form:

Powder

Colour:

white

(Contd. on page 4)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 17.09.2009

Revision: 17.09.2009

Trade name: Calsitherm KP-Kalkglätte

(Contd. of page 3)

Smell:	odourless
· Change in condition	
Melting point/Melting range:	not determined
Boiling point/Boiling range:	not applicable
· Flash point:	not applicable
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive.
· Density	not determined
· Settled apparent density	900 - 1500 kg/m ³
· Solubility in / Miscibility with	
Water at 20°C:	1.65 g/l (Calciumhydroxid)
· pH-value at 20°C:	11.0 - 13.5
· Additional information	Further informations please refer to technical data sheet.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
Moisture
- **Materials to be avoided:** Acids
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:**
Calcium oxide
Silica fumes

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Slightly irritating
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** Sensitizing effect by skin contact is possible by prolonged and/or repeated exposure.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information:

- **Information about elimination (persistence and degradability):**
- **Other information:**
Methods for the determination of biodegradability are not applicable to inorganic substances.
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms.

GB

(Contd. on page 5)

Safety Data Sheet

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Revision: 17.09.2009

Trade name: *Calsitherm KP-Kalkglätte*

(Contd. of page 4)

13 Disposal considerations

- **Product:**
- **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:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID (cross-border):**
- **ADR/RID Class:** -

- **Maritime transport IMDG-Code:**
- **IMDG Class:** -

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Designation according to EC guidelines:**
The product has been classified/labelled in accordance with EC Directives / relevant national laws.
- **Code letter and hazard designation of product:**



Xi Irritant

- **Risk phrases:**
41 Risk of serious damage to eyes.
- **Safety phrases:**
2 Keep out of the reach of children.
22 Do not breathe dust.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37/39 Wear suitable gloves and eye/face protection.
46 If swallowed, seek medical advice immediately and show this container or label.
- **National regulations**
- **Information about limitation of use:** Employment restrictions concerning young persons must be observed.
- **Decree to be applied in case of technical fault:** -
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water

GB

(Contd. on page 6)

Safety Data Sheet
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Revision: 17.09.2009

Trade name: Calsitherm KP-Kalkglätte

(Contd. of page 5)

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.

· Reasons for changes:

*The Material Safety Data Sheet has been revised. Changes in the respective chapters are characterized in the left side edge by *.*

· Relevant R-phrases:

The(se) R-phrase(s) are those of the ingredient(s) and do(es) NOT represent the classification of the preparation.

38 Irritating to skin.

41 Risk of serious damage to eyes.

· Recommended restriction of use: Industrial use**· Department issuing MSDS:**

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D-47829 Krefeld

Germany

· Sources: These data are based on information submitted by pre-suppliers.**· * Data compared to the previous version altered.**

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