

# 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-Kleber
- **Application of the substance / the preparation:** cold-setting glue
- **Manufacturer / Supplier:**  
Calsitherm Silikatbaustoffe GmbH  
An der Eiche 15  
D-33175 Bad Lippspringe  
Germany  
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Fax: +49-(0)5252/9651-18
- **E-mail address of the competent person responsible for the Safety Data Sheet:** [sdb@csb-online.de](mailto:sdb@csb-online.de)
- **Informing department:**  
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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 36/38 Irritating to eyes and skin.
- **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.
- **Additional information:** Quartz contains. Do not breathe dust.

## 3 Composition/information on ingredients

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

- **Dangerous components:**

CAS: 65997-15-1 EINECS: 266-043-4	Cement, portland, chemicals	☒ Xi; R 36/38	40-<60%
CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO <sub>2</sub> )		20-<40%

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

## 4 First aid measures

- **General information:** Immediately remove any clothing contaminated by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact:**  
Instantly wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Call a doctor immediately.

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## 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:** Silica fumes
- **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 equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**  
Ensure adequate ventilation.  
Collect mechanically.  
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.  
Avoid skin and eye contact.  
Keep away humidity and water.  
Make sure that all applicable workplace limits are observed.
- **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.  
Store under dry conditions.  
Protect from humidity and keep away from water.  
Store in a locked cabinet and out of the reach of children.

## 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:**

65997-15-1 Cement, portland, chemicals

WEL (Great Britain)	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust
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- **Additional information:** The lists that were valid during the compilation were used as basis.

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- **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.  
 If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.
- **Recommended filter device for short term use:** Partikelfilter EN 143 Type P2
- **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**  
 Nitrile rubber - NBR  
 e.g. KCL Tricotril®  
 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**  
 Permeation depends on conditions of use, according to manufacturer's data max. 8 h (DIN EN 374)  
 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.
- **Eye protection:** Tightly sealed safety glasses
- **Body protection:** Protective work clothing

## 9 Physical and chemical properties:

### · General Information

<b>Form:</b>	Powder
<b>Colour:</b>	grey
<b>Smell:</b>	characteristic

### · Change in condition

<b>Melting point/Melting range:</b>	> 1000°C
<b>Boiling point/Boiling range:</b>	not determined

<b>Flash point:</b>	not applicable
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<b>Self-inflammability:</b>	Product is not selfigniting.
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<b>Danger of explosion:</b>	Product is not explosive.
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<b>Density</b>	not determined
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<b>Settled apparent density at 20°C</b>	~1400 kg/m <sup>3</sup>
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### · Solubility in / Miscibility with

<b>Water:</b>	miscible
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· **pH-value (100 g/l) at 20°C:** ~12

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** Strong acids
- **Dangerous reactions** Exothermic reaction with acids
- **Dangerous products of decomposition:** Silica fumes

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant for skin and mucous membranes
- **on the eye:** Irritant effect
- **Sensitization:** No sensitizing effect known.
- **Subacute to chronic toxicity:**  
Repeated or prolonged exposure to dusts may result in deposition of dust particles in the lungs.  
The product contains quartz.  
Quartz is classified as carcinogenic by IARC and by the Senatskommission der DFG. This classification, however, is controverse and has been accepted neither by OSHA nor by EC.
- **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

## 13 Disposal considerations

- **Product:**
- **Recommendation** 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.

## 14 Transport information

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

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- **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:**

36/38 Irritating to eyes and skin.

· **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 Wear suitable gloves.

· **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

## 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:**

36/38 Irritating to eyes and skin.

· **Department issuing MSDS:**

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· **\* Data compared to the previous version altered.**