

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 Klimaplatte
SILCA 250 SB; SILCA 250 KM; SILCA T300
SILCAL 900; SILCAL 1000; SILCAL 1100
SILCA 200; SILCA 250
Microcal 1100

- **Application of the substance / the preparation:** Thermal insulation

- **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

- **Supplier:**

Calsitherm Silikatbaustoffe GmbH Tel.: +49-(0)5252/9651-0
 An der Eiche 15 Fax: +49-(0)5252/9651-18
 D-33175 Bad Lippspringe / Germany

SILCA Service- und Vertriebsgesellschaft für Dämmstoffe mbH Tel.: +49 (0)2104/9727-0
 Auf dem Hüls 6 Fax: +49 (0)2104/9727-25
 D-40822 Mettmann / Germany

Calsitherm International Tel.: +49-(0)5252/9651-0
 An der Eiche 15 Fax: +49-(0)5252/9651-18
 D-33175 Bad Lippspringe / Germany

- **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:** void
- **Information pertaining to particular dangers for man and environment** void

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Insulating Material

- **Dangerous components:**

CAS: 1344-95-2 EINECS: 215-710-8	Calciumsilicate	50-100%
CAS: 9004-34-6 EINECS: 232-674-9	Cellulose	0 - 10%

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.
- **After eye contact:**
 Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

(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 Klimaplatte
SILCA 250 SB; SILCA 250 KM; SILCA T300
SILCAL 900; SILCAL 1000; SILCAL 1100
SILCA 200; SILCA 250
Microcal 1100

(Contd. of page 1)

- **After swallowing:**
 Rinse out mouth and then drink plenty of water.
 In case of persistent symptoms consult doctor.

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:**
 Carbon monoxide (CO) and Carbon dioxide (CO₂)
- **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 contact with eyes.
- **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.
 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.
 Provide suction extractors if dust is formed.
 Do not breathe dust.
 Make sure that all applicable workplace limits are observed.
 Avoid contact with eyes.
 Avoid prolonged or repeated skin 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:** Store under dry conditions.

GB

(Contd. on page 3)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 17.09.2009

Revision: 17.09.2009

Trade name: Calsitherm Klimaplatte
SILCA 250 SB; SILCA 250 KM; SILCA T300
SILCAL 900; SILCAL 1000; SILCAL 1100
SILCA 200; SILCA 250
Microcal 1100

(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

1344-95-2 Calciumsilicate

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

9004-34-6 Cellulose

WEL (Great Britain)	Short-term value: 20* mg/m ³ Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable
---------------------	---

· **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.

Do not breathe dust.

Do not wear contact lenses during work.

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

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

· **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.

· **Protection of hands:**

Protective gloves

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

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

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

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

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

· **Material of 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**

Protective gloves should be replaced at first signs of wear.

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

· **Body protection:** Protective clothing should be selected specifically for the working place.

GB

(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 Klimaplatte
SILCA 250 SB; SILCA 250 KM; SILCA T300
SILCAL 900; SILCAL 1000; SILCAL 1100
SILCA 200; SILCA 250
Microcal 1100

(Contd. of page 3)

9 Physical and chemical properties:

· General Information

Form: solid
Plaques
Colour: grey
Smell: odourless

· Change in condition

Melting point/Melting range: 1500°C
Boiling point/Boiling range: not applicable

· **Flash point:** not applicable

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

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

· **Density at 20°C** 0.189 - 0.374 g/cm³

· **Solubility in / Miscibility with Water:** Not miscible or difficult to mix

· **pH-value (100 g/l) at 20°C:** 9.9 (Dispersion)

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** Acids
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** Carbon monoxide (CO) and Carbon dioxide (CO₂)

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Fine dust may cause mechanical irritation.
- **on the eye:** Fine dust may cause mechanical irritation.
- **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.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information:

- **General notes:**
There are no quantitative data on the ecological effects of this product available to us.
Water hazard class 1 (Self-assessment): slightly hazardous for water

-GB-

(Contd. on page 5)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 17.09.2009

Revision: 17.09.2009

Trade name: Calsitherm Klimaplatte
SILCA 250 SB; SILCA 250 KM; SILCA T300
SILCAL 900; SILCAL 1000; SILCAL 1100
SILCA 200; SILCA 250
Microcal 1100

(Contd. of page 4)

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:** -

- **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 is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.
Although this product is not subject to identification regulations, we recommend that the safety suggestions are observed.
- **Safety phrases:**
22 Do not breathe dust.
25 Avoid contact with eyes.
- **National regulations**
- **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.

- **Department issuing MSDS:**
C.S.B. GmbH Phone: ++49 - 2151 - 652086-0
Parkstraße 29 Fax: ++49 - 2151 - 652086-9
D-47829 Krefeld
Germany