

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

Printing date 18.10.2011

Version number 1

Revision: 18.10.2011

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

- **Date of issue:** 16.09.2009
- **Product identifier**
- **Trade name:** CALCAST® CC 100; -150; -200; -350; -355; -450
CALSITEC® CT 35; -45; -35 HD
SILCATEC 1000 E; SILCATEC 1000 HD
SILCAPAN 845, 850
CALCAST® CC 155; -G4; -G8; -G16
SILCASTEEL
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation:** Building material
- **Details of the supplier of the safety data sheet**
- **Manufacturer / 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
- **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 telephone number:** Giftnotzentrale Bonn, phone: 0049(0)228 / 19240

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

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

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· **Dangerous components:**

CAS: 1344-95-2 EINECS: 215-710-8	Calciumsilicate	substance with a Community workplace exposure limit	50-100%
CAS: 9004-34-6 EINECS: 232-674-9	Cellulose	substance with a Community workplace exposure limit	0-10%

· **Other components:**

CAS: 7782-42-5 EINECS: 231-955-3	Graphite		0 - 20%
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· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **Description of 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.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
In case of persistent symptoms consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** none
- **Special hazards arising from the substance or mixture**
Can be released in case of fire:
Sulphur dioxide (SO₂)
Carbon monoxide (CO) and Carbon dioxide (CO₂)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
Avoid causing dust.
Do not breathe dust.
Avoid contact with skin and eyes.
- **Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **Methods and material for containment and cleaning up:**
Ensure adequate ventilation.

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- Collect mechanically.
- Dispose of the material collected according to regulations.
- **Reference to other sections**
- See Section 8 for information on personal protection equipment.

7 Handling and storage

- **Handling**
- **Precautions 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.
- **Conditions for safe storage, including any incompatibilities**
- **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.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

1344-95-2 Calciumsilicate

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

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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.

· **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 renewed use of the glove.

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

· **Material of gloves**

Leather gloves

PVC 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.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	solid
	Plaques
Colour:	various colours
	white
	yellowish
	grey
Smell:	odourless

· **Change in condition**

Melting point/Melting range: 1500°C

· **Flash point:** not applicable

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

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

· **Density:** not determined

· **Bulk density:** 750 - 1400 g/cm³

· **Solubility in / Miscibility with**

Water: not miscible or difficult to mix

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· **Other information**

Further informations please refer to technical data sheet.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Acids
- **Hazardous decomposition products:**
Carbon monoxide (CO) and Carbon dioxide (CO₂)
Sulphur dioxide (SO₂)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Dust particles may mechanically irritate the skin.
- **on the eye:** Weak irritating 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.
- **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

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional 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
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Disposal must be made according to official regulations.
- **Waste disposal key number:** According to local/national 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

- | | |
|--|--|
| · UN-Number
· ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name
· ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | Void |
| · Packing group
· ADR, IMDG, IATA | Void |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **National regulations**
- **Decree to be applied in case of technical fault:** -
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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

· Department issuing MSDS:

C.S.B. GmbH Phone: +49 - 2151 - 652086-0
Parkstraße 29 Fax: +49 - 2151 - 652086-9
D-47829 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)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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