## **ECOSIL® SILICA TEXTILE PRODUCTS**

### 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

**Product identifier** 

Commercial Product Name : Ecosil® Silica Textile Products

Relevant identified uses of the substance or mixture and uses advised against

Main use category : Professional use Specific use(s) : Thermal insulation

**Identification of the suppliers** 

KERAMAB N.V. INSULCON B.V. INSULCON GMBH

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## 2. COMPOSITION / INFORMATION OF INGREDIENTS

<u>Classification of the substance or mixture</u> Classification according to Regulation (EU) 1272/2008

Mixture : CLP classification not requested

Classification according to EU Directives 67/548/EC or 1999/45/EC

Classification: The product is non-dangerous in accordance with Directive

1999/45/EC. Not classified

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Page 1 of 9

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### **Label elements**

## Labelling according to Regulation (EU) 1272/2008

Mixture: CLP classification not requested

### Labelling according to Directives (67/548 - 1999/45)

Not applicable.

### **Other hazards**

Other hazards which do not result in classification: Results of PBT and vPvB assessment: Not applicable.

### 3. HAZARDS IDENTIFICATION

#### **Substances**

Not applicable

### **Mixtures**

Identification of the mixture: Article

SiO<sub>2</sub>:>94%, Al<sub>2</sub>O<sub>3</sub> MgO: <6%

## 4. FIRST AID MEASURES

Inhalation : Avoid breathing dust.

Move to fresh air.

If symptoms persist, call a physician.

Skin contact : Wash off with soap and water.

If skin irritation persists, call a physician.

Eye contact : Rinse immediately with plenty of water, also under the

eyelids, for at least 15 minutes.

If eye irritation persists, consult a specialist.

Ingestion : Rinse mouth.

Do not induce vomiting without medical advice.

If symptoms persist, call a physician.

Additional advice : Show this safety data sheet to the doctor in attendance.

Treat symptomatically.

Never give anything by mouth to an unconscious person.

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Most important symptoms and effects, both acute and delayed

Inhalation : Repeated or prolonged exposure: May cause nose, throat, and

lung

irritation. (fibres, Dust).

Skin contact : Repeated or prolonged exposure : May cause skin irritation and/or

dermatitis. (fibres, dust).

Eye contact : Dust contact with the eyes can lead to mechanical irritation.

(fibres).

Ingestion : No data available.

Indication of any immediate medical attention and special treatment needed Not applicable.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media** 

Suitable extinguishing media : Water. Dry powder. Use extinguishing measures that are

appropriate to local circumstances and the surrounding

environment.

Extinguishing media which shall not be used for safety

reasons: High volume water jet.

Special hazards arising from the substance or mixture

Fire hazard : Non flammable. (DIN 66083 Sa)

Specific hazards : Hazardous decomposition products formed under fire

conditions.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Advice for firefighters** 

Advice for firefighters : Special protective equipment for firefighters.

In the event of fire, wear self-contained breathing

apparatus.

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Page 3 of 9

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### **6. ACCIDENTAL RELEASE MEASURES**

### Personal precautions, protective equipment and emergency procedures

Advice for non-emergency

Personnel Ensure adequate ventilation.

Wear personal protective equipment.

See also section 8. Avoid dust formation.

Avoid contact with skin and eyes.

Advice for emergency

Responders Only qualified personnel equipped with suitable

protective

equipment may intervene.

**Environmental precautions** 

**Environmental precautions:** Dispose of in accordance with local regulations.

(Non-dangerous goods)

### Methods and material for containment and cleaning up

Methods for cleaning up: Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

Avoid breathing dust.

## Reference to other sections

See also section 13. See also section 8.

### 7. HANDLING AND STORAGE

Precautions for safe handling

Handling Ensure adequate ventilation.

Wear personal protective equipment.

See also section 8. Avoid dust formation.

Avoid contact with the skin and the eyes.

Handle in accordance with good industrial hygiene Hygiene measures

and safety practice.

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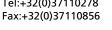
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Conditions for safe storage, including any incompatibilities

Storage Store in dry, cool, well-ventilated area.

Keep at temperatures between 10 and 35 °C.

Humidity 40 - 70 %

Specific end use(s) No data available

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Control parameters** 

Exposure limit(s) fibre/cm<sup>3</sup>: 1 (FR, SE, ES); 0,1 (thin fibre - NO); 0,5 (CH)

dust mg/m3: 10 (BE); 5 (NO)

Recommended monitoring

procedures Personal monitoring

Concentration measurement in air

**Exposure controls** 

Personal protective equipment: The type of protective equipment must be selected

> according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection Ensure adequate ventilation.

In case of insufficient ventilation wear suitable respiratory

equipment.

Effective dust mask. (EN 149)

Respirator with a particle filter (EN 143).

Hand protection Protective gloves (EN 388).

Eye protection In case of dust production: protective goggles / Safety

glasses (EN 166).

Wear suitable protective clothing. Skin and body protection

Wear long sleeves.

Avoid repeated exposure.

Thermal hazard protection Not required under normal use.

Use dedicated equipment.

**Engineering measures** Avoid dust formation.

Use only in area provided with appropriate exhaust

ventilation.

Environmental exposure controls: Do not flush into surface water or sanitary sewer system.

Comply with applicable Community environmental

protection legislation.

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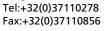
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance : Solid
Colour : White
Odour : Odourless
Boiling point/boiling range : Not applicable
Flash point : Not applicable
Vapour pressure : Not applicable
Density : 2,6 g/cm³

Relative density : 2,5 - 2,6 g/cm³ @ 20°C

Water solubility : Insoluble
Decomposition temperature : > 150 °C
Viscosity : Not applicable
Explosive properties : Not applicable
Oxidizing properties : Not applicable

Other information No data available

### 10. STABILITY AND REACTIVITY

Reactivity

Reactivity: See also section 10.5

**Chemical stability** 

Stability: Stable under normal conditions.

**Possibility of hazardous reactions** 

Hazardous reactions: None known.

**Conditions to avoid** 

Conditions to avoid: None known.

**Incompatible materials** 

Incompatible materials: None known.

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Page 6 of 9

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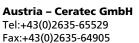
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## **Hazardous decomposition products**

Hazardous decomposition products: Fire will produce hazardous combustion products.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met.) : Not classified (Based on available data, the classification criteria are not met.) : Not classified (Based on available data, the classification criteria are not met.) : Not classified (Based on available data, the classification criteria are not met.)

Repeated dose

toxicity: Not classified (Based on available data, the classification criteria are not met.)
Carcinogenicity: Not classified (Based on available data, the classification criteria are not met.)
Mutagenicity: Not classified (Based on available data, the classification criteria are not met.)

Toxicity for

reproduction: Not classified (Based on available data, the classification criteria are not met.)

#### **Further information**

Symptoms related to the physical, chemical and toxicological characteristics, See section 4, skin contact.

### 12. ECOLOGICAL INFORMATION

**Toxicity** 

Ecotoxicity effects : Ecological injuries are not known or expected under normal use.

Persistence and degradability

Persistence and degradability: No data available

**Bioaccumulative potential** 

Bioaccumulation : No data available

**Mobility in soil** 

Mobility : Not relevant

**Results of PBT and vPvB assessment** 

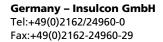
PBT/vPvB : Not applicable

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Other adverse effects

Further information No data available

### 13. DISPOSAL CONSIDERATIONS

#### **Waste treatment methods**

### Waste from residues / unused products:

In accordance with local and national regulations.

Where possible recycling is preferred to disposal or incineration.

### **Contaminated packaging:**

Dispose of in accordance with local regulations.

## Waste codes / waste designations according to EWC / AVV:

Waste codes should be assigned by the user based on the application for which the product was used.

The following Waste Codes are only suggestions: 04 02 09

## 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

### 15. REGULATORY INFORMATION

## Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU-Regulations** 

Restrictions on use Not applicable.

This product contains an ingredient according to the candidate list of

Annex XIV of the REACH

Regulation1907/2006/EC. None

Authorisations Not applicable

**National regulations** 

DE: WGK

15.2. Chemical safety assessment

**Chemical Safety Assessment** Not applicable.

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Page 8 of 9

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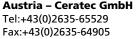
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### 16. OTHER INFORMATION

Sources of key data used to compile the datasheet: http://ecb.jrc.it MSDS supplier

Not required:

Abbreviations and acronyms

ADN = Accord Européen relatif au Transport International des Marchandises

Dangereuses par voie de Navigation du Rhin

ADR = Accord européen relatif au transport international des marchandises

Dangereuses par Route

CLP = Classification, Labelling and Packaging Regulation according to

1272/2008/EC

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods Code
LEL = Lower Explosive Limit/Lower Explosion Limit
UEL = Upper Explosion Limit/Upper Explosive Limit

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

persistent, bioaccumulating and toxic (PBT).

vPvB = very persistent and very bioaccumulating

WGK = Wassergefärhdungsklasse (Water Hazard Class under German Federal

Water Management Act)

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Page 9 of 9

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