

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
Haverheidelaan 4	The Netherlands	Germany
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2. COMPOSITION / INFORMATION OF INGREDIENTS

Classification of the substance or mixture

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

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

ECOSIL® SILICA TEXTILE PRODUCTS

Mixtures

Identification of the mixture : Article

SiO₂ :>94%, Al₂O₃ 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. 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.

ECOSIL® SILICA TEXTILE PRODUCTS

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.

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.

ECOSIL® SILICA TEXTILE PRODUCTS

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.
Hygiene measures and safety practice.	:	Handle in accordance with good industrial hygiene

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 ³ : 1 (FR, SE, ES); 0,1 (thin fibre - NO); 0,5 (CH) dust mg/m ³ : 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 glasses (EN 166).	:	In case of dust production: protective goggles / Safety
Skin and body protection	:	Wear suitable protective clothing. Wear long sleeves. Avoid repeated exposure.
Thermal hazard protection	:	Not required under normal use.
Use dedicated equipment.		

ECOSIL® SILICA TEXTILE PRODUCTS

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.

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/cm ³
Relative density	:	2,5 - 2,6 g/cm ³ @ 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.

ECOSIL® SILICA TEXTILE PRODUCTS

Incompatible materials

Incompatible materials: None known.

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.)

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

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

Sensitisation : 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

Other adverse effects

Further information : No data available

ECOSIL® SILICA TEXTILE PRODUCTS

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 : -

Chemical safety assessment

Chemical Safety Assessment : Not applicable.

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

ECOSIL® SILICA TEXTILE PRODUCTS

ADR	=	Accord européen relatif au transport international des marchandises Dangereuses par Route
CLP 1272/2008/EC	=	Classification, Labelling and Packaging Regulation according to
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	=	Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)