

ECOSIL® SILICA TEXTILE PRODUCTS

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Classification according to Regulation (EC) No. 1272/2008 [CLP] Labelling according to Regulation (EC) No. 1272/2008 [CLP]

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1. Product identifier

Trade name : Ecosil® Silica textile products textile products
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : thermal insulation

1.2.2. Uses advised against

No additional information available

Identification of the suppliers

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2. COMPOSITION / INFORMATION OF INGREDIENTS

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU > 2015:
According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)
Not classified

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Not applicable.

2.3. Other hazards

Other hazards: Results of PBT and vPvB assessment : Not applicable. Risk of dust explosion.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

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3. HAZARDS IDENTIFICATION

3.1. Substances

Not applicable

3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Additional advice	:	First aider: Pay attention to self-protection!. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	:	Remove casualty to fresh air and keep warm and at rest. Get medical advice/attention.
Skin contact	:	Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.
Eyes contact	:	Rinse immediately carefully and thoroughly with eye-bath or water. In case of doubt or persistent symptoms, consult always a physician.
Ingestion	:	Drink plenty of water. Rinse mouth thoroughly with water. Do not induce vomiting without medical advice. Get medical advice/attention.

4.2. 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).
Eyes contact	:	Dust may cause painful eye irritation and tearing. (Fibres).
Ingestion	:	Health injuries are not known or expected under normal use.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Water. extinguishing powder. Co-ordinate fire-fighting measures to the fire surroundings.

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Unsuitable extinguishing media : Strong water jet .

5.2. Special hazards arising from the substance or mixture

Specific hazards : Not flammable. Risk of dust explosion.

Hazardous decomposition products in case of fire : Silicon oxides.

5.3. Advice for firefighters

Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment. Avoid dust formation. Knock down/dilute dust cloud with water spray.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Other information : Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel : Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe dust. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Use explosion-proof equipment. Use only non-sparking tools.

6.1.2. For emergency responders

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Stop leak if safe to do so. Dam up the solid spill. Take up mechanically (sweeping, shovelling) and collect in

suitable container for disposal. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation. Avoid dust formation. Knock down/dilute dust cloud with water spray.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling:

Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe dust. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Avoid dust formation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools.

Hygiene measures:

Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedings. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Store in a dry, cool and well-ventilated place. Humidity : 40-70%. Avoid dust formation. Protect against water.
Storage temperature	:	10 – 35 °C
Heat and ignition sources	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Special rules on packaging	:	Regularly check for damage to packaging.
Packaging materials	:	Keep only in the original container.

7.3. Specific end use(s)

Reference to other sections : 1.2.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Control parameters

Additional information	:	Recommended monitoring procedures :. Personal air monitoring. Room air monitoring
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8.2. Exposure controls

Engineering measure(s)	:	Provide adequate ventilation. Organisational measures to prevent /limit releases, dispersion and exposure. See Section 7 for information on safe handling. Apply measures to prevent dust explosions. Ensure equipment is adequately earthed.
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.
Hand protection	:	Wear chemically resistant gloves (tested to EN374) . Suitable material: Not determined. Thickness : Not determined. Breakthrough time : refer to the recommendations of the supplier. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
Eye protection	:	Use suitable eye protection (EN 166): Safety glasses with side shields
Body protection	:	Wear suitable protective clothing. Overalls, apron and boots recommended.
Respiratory protection	:	Wear suitable respiratory protection. Effective dust mask (EN 149). Half-face mask (DIN EN 140). full face mask (DIN EN 136). Filter type: P (EN 143). When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Thermal hazard protection	:	Not required for normal conditions of use. Use dedicated equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Solid.
Colour	:	Grey. light brown. White.
Odour	:	odourless.
Odour threshold	:	Not available
Ph	:	Not available
pH solution	:	Not available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting / freezing point	:	No data available
Freezing point	:	No data available
Softening point	:	> 1600 °C
Initial boiling point and boiling range	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	> 150 °C
Flammability (solid, gas)	:	Not flammable

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Vapour pressure	:	Not applicable
Vapour density	:	No data available
Relative density	:	2,5 – 2,6 g/cm ³ (20°C)
Density	:	2,6 g/cm ³
Solubility	:	Water: Insoluble
Partition coefficient n-octanol/water	:	No data available
Kinematic viscosity	:	No data available
Dynamic viscosity	:	No data available
Explosive properties	:	Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	:	Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosive limits	:	No data available
Particle size	:	Not available
Particle size distribution	:	Not available
Particle shape	:	Not available
Particle aspect ratio	:	Not available
Particle aggregation state	:	Not available
Particle agglomeration state	:	Not available
Particle specific surface area	:	Not available
Particle dustiness	:	Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

10. STABILITY AND REACTIVITY

10.1. Reactivity

None under normal conditions. Reference to other sections: 10.4 & 10.5.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid dust formation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect against water. See Section 7 for information on safe handling.

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10.5. Incompatible materials

No information available. See Section 7 for information on safe handling.

10.6. Hazardous decomposition products

Reference to other sections 5.2.

11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	:	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	:	Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	:	Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation:		Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	:	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)
Reproductive toxicity	:	Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	:	Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	:	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	:	Not classified (Based on available data, the classification criteria are not met)
Kinematic viscosity	:	Not applicable
Other information	:	Symptoms related to the physical, chemical and toxicological characteristics. Reference to other sections 4.2.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties:

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

11.2.2 Other information

Other information:

Symptoms related to the physical, chemical and toxicological characteristics. Reference to other sections 4.2

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Environmental properties:

Ecological problems are not known or expected under normal use.

Hazardous to the aquatic environment, short-term (acute):

Not classified

Hazardous to the aquatic environment, long-term (chronic):

Not classified

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

Ecology – soil not relevant.

12.5. Results of PBT and vPvB assessment

Results of PBT assessment Not applicable

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties:

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12.7. Other adverse effects

No additional information available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product/Packaging disposal recommendations:

Avoid release to the environment. Dispose of empty containers and wastes safely. See Section 7 for information on safe handling. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

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European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC):

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

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	AND	RID
14.1 UN Number				
Not regulated for transport				
14.2 UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3 Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4 Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5 Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available.				

14.6. Special precautions for user

- Overland transport
No data available
- Transport by sea
No data available
- Air transport
No data available
- Inland waterway transport
No data available
- Rail transport
No data available

14.7. Maritime transport in bulk according to IMO instruments

Code: IBC: No data available.

15. REGULATORY INFORMATION

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

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15.1.2. National regulations

France

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
Na	Not Applicable	na	na

Germany

Regulatory reference	:	WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV)	:	Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

Waterbezwaarlijkheid	:	B (4) - Weinig schadelijk voor in het water levende organismen
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15.2. Chemical safety assessment

Not applicable

16. OTHER INFORMATION

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	=	Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)
Training advice	:	Training staff on good practice.
Other information	:	Classification - Assessment method: CLP Calculation method (Article 9).