



# MATERIAL SAFETY DATA SHEET

Product name: Mineral wool insulation ropes »Insu-Rope«

Pages: 6

Date of issue: February, 7th, 2024 (Rev. 1)

## **Section 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER**

1. Identification of the product: Mineral wool insulation ropes »Insu-Rope«
2. Manufacturer: EZS d.o.o., Brezje pri Grosupljem 10, 1290 Grosuplje
3. Emergency telephone: +386 (0) 820 171 97

## **Section 2: HAZARD IDENTIFICATION**

1. Physical, Health and Environment hazards: Not Classified
2. Other hazards: Not applicable
3. These products are articles that in their marketed form do not represent a health hazard by inhalation, skin contact or swallowing. Temporary mechanical irritation (itching) of skin, eyes and respiratory tract may occur upon exposure to dust/particles during handling of this product and cannot occur unless there is direct contact. Abrasion effects should subside after cessation of exposure.

## **Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

1. Mineral wool: Man-made vitreous (silicate) fibres with random orientation with alkaline and alkali earth oxides ( $\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$ ) content greater than 18% by weight meeting the requirements of Note Q of regulation No. 1272/2008 and therefore not classified as carcinogenic.

INDEX-No.: 650-016-00-2 (mineral fibers)  
EC number: 926-099-9  
CAS-No.: /  
CLASSIFICATION: Not classified



2. Glass fibre rowing: CFGF products are typically made of an endless E-glass filament with a diameter of more than 8  $\mu\text{m}$  and of parallel orientation. A surface treatment (sizing) is applied to the filaments which are gathered to form a strand. The strand is further processed into a specific product design. The sizing is a polymer based mixture consisting of i.e. film former(s), coupling agent(s) and other processing aids. The sizing content is generally below 2%.

#### **Section 4: FIRST AID MEASURES**

1. Inhalation: Remove from exposure, rinse the throat and clear dust from airways. If symptoms persist, call a physician.
2. Skin contact: If mechanical irritation occurs, remove contaminated clothing and wash skin gently with cold water and soap. Get medical attention if irritation develops and persists.
3. Eye contact: In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, call a physician.
4. Ingestion: Rinse mouth with water to remove dust or fibers and drink plenty of water to help reduce irritation. If eye irritation persists, call a physician.

#### **Section 5: FIRE-FIGHTING MEASURES**

1. Suitable extinguishing media: Water, foam, carbon dioxide ( $\text{CO}_2$ ) and dry powder.
2. Special protective equipment for firemen: Wear self-contained breathing apparatus for firefighting if necessary (in large fires in poorly ventilated areas).

#### **Section 6: ACCIDENTAL RELEASE MEASURES**

1. Personal protective measures: In case of high concentration of dust presence in the working environment use the personal protective equipment described in section 8.
2. Measures to protect the environment: Not relevant.
3. Cleaning measures after accidental releases: Clean with an industrial vacuum cleaner or dampen down with water spray prior to brushing up.

#### **Section 7: HANDLING AND STORAGE**

1. Handling: Factory-packed insulation material should only be unpacked on site where it is being used. Do not sweep up spilled dust or blow it away with compressed air. Clean with

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an industrial vacuum cleaner. Provide the necessary ventilation on the building site. Carefully remove old insulation material. Use tools that do not rise so much dust. For personal protection see Section 8.

2. Storage: Insulation material should be stored in a dry space or covered to protect from impact of rain water or snow.
3. Incompatible material: No specific material or group of materials is likely to react with the product to lead to hazardous situation.

### **Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION**

1. Exposure limitations:

- a. Mineral wool:

Exposure limit value (8-hour average) – RS 500000 vl/m<sup>3</sup> artificial mineral fibers. The data istaken from Rules on the Protection of Workers from Risks Due to Exposure to Chemical Substances at Work (Official Journl of the republic of Slovenia, No. 38/2015)

- b. Glass fibre rowing:

General limit value for dust (AGW – Germany) – Basis: DE TRGS 900

Form of Exposure:	Alveolar fraction	Inhalable fraction
Permissible concentration:	1,25 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

2. Respiratory protection: Wearing a face mask type in accordance with EN 149 FFP1 is recommended when using products in confined atmosphere or during operations which can generate emission on and dust.
3. Hand protection: Wear protective gloves, to avoid itching in conformity with EN 388.
4. Eyes protection: In areas with high dust concentrations and when working above shoulders, use protective goggles advised according to EN 166.
5. Protective clothing: Cover exposed skin and wear long sleeved clothing.
6. Hygiene measures: General protection and hygiene measures are recommended. After contact, wash hands with cold water and soap.

### **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

1. Mineral wool:

Appearance: Solid physical state.

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Colour:	Yellow-grey.
Odour:	Not relevant.
pH:	Not relevant.
Boiling temperature/range:	Not relevant.
Melting point/range:	above 1000 °C (mineral fibers) according to DIN 4102-17
Inflammability:	<p>In view of the required European tests:</p> <p>EN ISO 1182 (incombustibility test)</p> <p>EN ISO 1716 (calorimetric test)</p> <p>EN 13823 (SBI test -single burning item)</p> <p>According to Euroclasses (classes of reaction to fire), the Insu-Rope product has been attributed to Euroclass A1. This means that Insu-Rope has been classified as incombustible.</p>
Flash point:	Not relevant.
Evaporation rate:	Not relevant.
Vapour pressure and density:	Not relevant.
Solubility:	Generally chemically inert and insoluble in water.
Auto-ignition temperature:	Not relevant.
Decomposition temperature:	Not relevant.
Viscosity:	Not relevant.
Explosive properties:	Not relevant.
Oxidation properties:	Not relevant.
Relative density:	Various, depending on type of product diameter (240 +/- 20 kg/m3)

## 2. Glass fibre rowing:

Form:	Solid
Colour:	White



Design:	Endless glass fiber, elementary diameter 13 $\mu\text{m}$ , cylindrical shape bobbin with max. weight of 15 kgs
Melting point:	cca. 1250 – 1600°C
Littleton point:	cca. 825 – 855°C
Density:	2,59 g/m <sup>3</sup>
Inflammable:	No
Danger of explosion:	No
Oxidizing properties:	No

#### **Section 10: STABILITY AND REACTIVITY**

1. Reactivity:	None
2. Chemical stability:	Binder in mineral wool will decompose above 200°C.
3. Possibility of hazardous reactions:	None in normal conditions of use.
4. Conditions to avoid:	None
5. Dangerous decomposition products:	None

#### **Section 11: TOXICOLOGICAL INFORMATION**

1. Toxicological effects:	The mechanical effect of coarse fibres in contact with skin, airways and eyes may cause temporary itching.
2. General information:	Classification not applicable for this product; in accordance with European regulation 1272/2008, note Q.

#### **Section 12: ECOLOGICAL INFORMATION**

1. Toxicity:	Non ecotoxic to air, water or soil, by composition.
2. Bioaccumulative potential:	No potential.
3. Mobility in soil:	Not considered mobile.
4. Results of PBT and vPvB assessment:	Not relevant.
5. Endocrine disrupting properties:	Not relevant.
6. Other adverse effects:	None known.

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### **Section 13: DISPOSAL CONSIDERATIONS**

1. General information: Waste code is only applicable for waste product that has not been contaminated. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities and according to local and national regulations.

### **Section 14: TRANSPORT INFORMATION**

1. Products are not classified as dangerous goods according to international transport regulations (IMDG, IATA, ADR/RID).
2. Dispatch units – products are packed in PE bags and stacked onto pallets.

### **Section 15: REGULATORY INFORMATION**

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Danger symbols: Not required.
2. Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006.
3. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006  
SDS EU format according to COMMISSION REGULATION (EU) 2020/878
4. The European Regulation on Chemicals No 1907/2006, Registration, Evaluation, Authorisation of Chemicals (REACH) enacted on June 1st 2007 requires the provision of Safety Data Sheet (SDS) for hazardous substances and mixtures / preparations.
5. Insu-Ropes are defined as articles under REACH and therefore a Safety Data Sheet for these products is not a legal requirement.

### **Section 16: OTHER INFORMATION**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed as a guidance for safe handling, use, processing, storage, transportation, disposal and emergency response and is not to be considered a warranty.

Prepared by EZS d.o.o.