



Heraklith® Products
Version 1.02



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Generic product name : Heraklith® Multi-layer Boards with Rock Mineral Wool (RMW)

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

Recommended use : Thermal and/or acoustic insulation

1.3. Details of the supplier of the safety data sheet

Producer : **Knauf Insulation**
Head Office,
Am Bahnhof
97346 Iphofen
Germany
Web: www.knaufinsulation.com

Region	Contact	Telephone number	Email
Hungary	Head Office Country Contact	+32 (0)104 88 460	sds@knaufinsulation.com

1.4. Emergency telephone number

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

European directive 67/548/EEC : The product is not classified.

Regulation (CE) n° 1272/2008 : The product is not classified.

2.2. Label elements

There are no Risk Phrases associated with this product

2.3. Other hazards

Most important hazards : None

Specific hazards : n/a

3. COMPOSITION / INFORMATION or INGREDIENTS

Substance	C.A.S. number ⁽²⁾	weight (%)	Classification and labelling (Regulation (CE) n° 1272/2008)	Classification and labelling (European directive 67/548/EEC as amended 97/69/EC)	EC number
Wood Spruce ^(1a)	n/a	5 to 30%	-	-	n/a
Rock mineral wool (RMW) ^(1b)	n/a	10 to 30%	-	-	926-099-9
Bonded with a mineral based cured binder	n/a	40 to 85%	-	-	n/a

^(1a): Wood Wool Fibres – A non hazardous ingredient

^(1b): Rock mineral wool insulation fibres are not classified carcinogenic according to regulation n° 1272/2008 (page 335 of the JOCE L353 of December 31, 2008)

⁽²⁾: C.A.S. : Chemical Abstract Service

Possible facing materials : Glass veil with binder

Heraklith® REACH Registration number : not applicable

Rock mineral wool REACH Registration number : 01 - 21 19472313

4. FIRST AID MEASURES

4.1 Description of first aid measures

Exposure route:

- **Inhalation** : Remove from exposure. Rinse the throat and blow nose to clear dust
- **Skin contact** : If mechanical irritation occurs, remove contaminated clothing and wash skin gently with cold water and soap.
- **Eyes contact** : Do not rub. Rinse thoroughly with water and seek medical attention if necessary.
- **Ingestion** : Drink plenty of water if accidentally ingested.

4.2 Most important symptoms and effects, both acute and delayed

The mechanical effect of RMW fibres in contact with the skin can cause a temporary itching

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

If any adverse reaction or discomfort continues from any of the above exposures, seek professional medical advice

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Water, foam, carbon dioxide (CO₂) and dry powder.

5.2. Special hazards arising from the article

: Products do not pose a fire hazard in use; however, some packaging materials or facings may be combustible. Products of combustion from product and packaging - carbon dioxide, carbon monoxide and some trace gases such as ammonia, nitrogen oxides and volatile organic substances.

5.3. Advice for firefighters

: In large fires in poorly ventilated areas or involving packaging materials respiratory protection / breathing apparatus may be required.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : In case of presence of high concentrations of dust, use the same personal protective equipment as mentioned in section 8.

6.2. Environmental precautions

Environmental protection : not relevant

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Vacuum cleaner or dampen down with water spray prior to brushing up to avoid stirring up dust.

6.4. Reference to other sections

: For personal protection, see section 8. For waste disposal, see section 13.

7. HANDLING and STORAGE

7.1. Precautions for safe handling

- **Technical measures** : No specific measure. Cut using a table saw, jack saw or a circular saw.

- **Precautions** : Always work with a safety guard, guide and an extraction system to ensure adequate ventilation of the workplace.

- **Safe handling advice** : none

7.2. Conditions for safe storage, including any incompatibilities

- **Technical measures** : Special care when removing old insulation, ensure sufficient humidification during demolition work.

- **Suitable storage condition** : Panels must be stored flat and stably in a dry, clean, swept-out room to protect them from moisture, soiling and dust.

- **In-compatible materials** : none

- **Packaging material** : Delivered on pallets packed in foil, edge protection, card board cover and packaging stripes.

7.3. Specific end use(s)

: not relevant.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Exposure Limit Value : None at European level, refer to member state guidelines and legislation.
Hungary: Refer to local legislation.
Synthetic mineral fibre: according to work situation, refer to local legislation.

8.2. Exposure controls

Engineering controls : No specific requirements

Individual protection equipments:

- **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 of any dust.
- **Hand protection** : Wear suitable gloves to avoid itching in conformity with EN 388
- **Eyes protection** : Goggles especially if dust levels are high or working above shoulders. Eye protection to EN 166 is advised
- **Skin protection** : Cover exposed skin. Wear loose-fitting, closed work clothing.
- **Hygiene measures** : After contact, wash hands with cold water and soap

The following sentence and pictograms are printed on packaging:

"The mechanical effect of fibres in contact with skin may cause temporary itching"



Cover exposed skin.
When working in unventilated area wear disposable face mask



Rinse in cold water before washing



Clean using vacuum equipment



Ventilate working area if possible



Waste should be disposed of according to local regulations



Wear goggles when working overhead

9. PHYSICAL and CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Form	: Board/Panel
Colour	: Wood wool – Beige, grey or coloured : RMW Core – Ochre
Odour	: n/a
Boiling point	: n/a
Melting point	: n/a
Flash point	: n/a
Flammability	: B or A2 according to EN 13501
Ignition temperature	: n/a
Self-igniting	: n/a
Oxidising properties	: n/a
Explosion hazard	: n/a
Vapour pressure	: n/a
Density	: Wood wool 500 to 700 kg/m ³ : RMW up to 160 kg/m ³
pH	: Wood wool (at 1000 g / l H ₂ O) (25°C) 8.5 to 10
Solvent content	: n/a
Dynamic viscosity	: n/a

9.2. Other information:

Fibre melting point	: >1000°C according to DIN 4102-17
Approximate nominal diameter of fibres	: 3 to 7 µm
Length weight geometric mean diameter less 2 standard errors	: approx. 6 µm
Orientation of fibres	: Random

10. STABILITY and REACTIVITY

10.1. Reactivity	: None
10.2. Thermal Stability	: Product will thermally decompose above > 100 °C
10.3. Possibility of hazardous reactions	: None in normal conditions of use
10.4. Conditions to avoid	: Heating above 100°C.
10.5. Incompatible materials	: None.
10.6. Hazardous decomposition products	: None in normal condition of use. Decomposition of binder above 100°C may produce carbon dioxide and some trace gases. The duration of release is dependent upon the thickness of the insulation, binder content and the temperature applied.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute effect	: The mechanical effect of RMW fibres in contact with the skin can cause a temporary itching.
Carcinogenic effect	: Classification not applicable for this product; in accordance with the directive 97/69/EC and European Regulation 1272/2008, nota Q. Weighted clearance half life of fibres, with length greater than 20µm after intra-tracheal instillation, is less than 40 days (result obtained from a test conform to the European protocol).

12. ECOLOGICAL INFORMATION

12.1. Toxicity	: This product is not ecotoxic to air, water or soil, by composition. COD value (mg / l) : <300, Core: <15
12.2. Persistence and degradability	: Inert inorganic product with Thermo set, inert polymer based on cured phenol formaldehyde resins; 0 to 10 %.
12.3. Bioaccumulative potential	: Will not bio-accumulate.
12.4. Mobility in soil	: Not considered mobile. Less than 1% leachable organic carbon if landfilled.
12.5. Results of PBT and vPvB assessment	: Not relevant.
12.6. Other adverse effects	: None known.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	
Waste from residues	: Dispose of in accordance with regulations and procedures in force in country of use or disposal.
Dirty packaging	: Dispose of in accordance with regulations and procedures in force in country of use or disposal.
European waste catalogue code	: 12 01 05
Additional information	: The residues are in a finely divided form as structural materials in composting

14. TRANSPORT INFORMATION

14.1. UN number	: not classified for transport
14.2. UN proper shipping name	: not classified for transport
14.3. Transport hazard class(es)	: not classified for transport
14.4. Packing group	: not classified for transport
14.5. Environmental hazards	: not classified for transport
14.6. Special precautions for user	: not classified for transport
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	: not classified for transport

15. REGULATORY INFORMATION

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

Heraklith® products (panels, boards), are defined as articles under REACH and therefore a safety data sheet for these products is not a legal requirement.

The European Regulation on Chemicals No 1907/2006, Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH) enacted on June 1st 2007 requires the provision of safety data sheet (SDS) for hazardous substances and mixtures / preparations.

In accordance with industry practice and voluntary commitments, Heraklith® has decided to continue to provide its customers with the appropriate information for the purpose of assuring safe handling and use of wood wool throughout the product life.

This material safety data sheet / product data sheet is produced in accordance with principles outlined in the EU directives 67/548/EEC, 1999/45/EEC, 1907/2006, 1272/2008 and 453/2010

15.2. Chemical safety assessment : not relevant.

16. OTHER INFORMATION

All products manufactured by Knauf Insulation are made of non-classified fibres and are certified by EUCERB.

EUCERB, European Certification Board of Mineral Wool Products - www.euceb.org, is a voluntary initiative by the mineral wool industry. It is an independent certification authority that guarantees that products are made of fibres, which comply with the exoneration criteria for carcinogenicity (Note Q) of the Directive 97/69/EC and the Regulation (EC) 1272/2008.

To ensure that fibres comply with the exoneration criteria all tests and supervision procedures are carried out by independent, expert qualified institutions. EUCERB ensures that the producers of mineral wool have put in place self-control measures.

The mineral wool producers commit to EUCERB to:

- supply sampling and analysis reports established by laboratories recognized by EUCERB, proving that the fibres comply with one of the four criteria of exoneration described in Note Q of the Directive 97/69/EC,
- be controlled, twice per year, of each production unit by an independent third party recognized by EUCERB (sampling and conformity to the initial chemical composition),
- put in place procedures of internal self-control in each production unit.

The products responding to the EUCERB certification are recognized by the EUCERB logo put on the packaging.



Heraklith® is a registered trade mark of Knauf Insulation

Further information can be obtained from:-

www.Eurima.org

www.knaufinsulation.com

Moreover, in 2001, the IARC, reclassified rock mineral wool fibres from Group 2B (possibly carcinogenic) to Group 3 « agent which cannot be classified as for their carcinogenicity to humans». (See Monograph Vol 81, <http://monographs.iarc.fr/>)

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This safety data sheet / product data sheet does not constitute a workplace assessment

Information contained in this document represents the state of our knowledge regarding this product as of the date of issue of the document. Attention of users is drawn to possible risks taken when the product is used for other applications than the ones it has been designed for.

MORE INFORMATION

Product Families

- Tektalan HS
- Tektalan HS F
- Tektalan C2
- Tektalan C2 F

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