



**Heraklith®**  
Version 5.00

**Heraklith.**



## SAFETY DATA SHEET

### Heraklith® Multilayer Boards with Rock Mineral Wool

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name** Heraklith® Multilayer Boards with Rock Mineral Wool  
**Product number** KI\_DP\_405

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

**Identified uses** Thermal and/or acoustic insulation

##### 1.3. Details of the supplier of the safety data sheet

###### Supplier

Knauf Insulation  
Am Bahnhof  
97346 Iphofen  
Germany  
+32 4 379 02 31  
[www.knaufinsulation.com](http://www.knaufinsulation.com)  
[sds@knaufinsulation.com](mailto:sds@knaufinsulation.com)

**Region** Liechtenstein

##### 1.4. Emergency telephone number

**Emergency telephone** Tel: +32 4 379 02 31  
(Monday - Friday, 08:00 hrs - 17:00 hrs)

## Heraklith® Multilayer Boards with Rock Mineral Wool

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

#### 2.2. Label elements

Hazard statements NC Not Classified

##### The following sentences and pictograms are printed on packaging

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



<http://www.knaufinsulation.com/comfort-and-handling>

#### 2.3. Other hazards

Specific hazards Not applicable.

## Heraklith® Multilayer Boards with Rock Mineral Wool

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>Rock Mineral Wool</b>	<b>40 - 85%</b>
CAS number: —	EC number: 926-099-9
	REACH registration number: 01-2119472313-44-XXXX
EU index number: 650-016-00-2	
Ingredient notes:(1)	
<b>Classification</b>	
Not Classified	
<b>Bonded with a mineral based cured binder</b>	<b>10 - 30%</b>
CAS number: —	
<b>Classification</b>	
Not Classified	
<b>Wood Spruce</b>	<b>5 - 30%</b>
CAS number: —	
Ingredient notes:(1a)	
<b>Classification</b>	
Not Classified	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### Ingredient notes

(1) 650-016-00-2 - Man made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na<sub>2</sub>O+K<sub>2</sub>O+CaO+MgO+BaO) content greater than 18% by weight meeting the requirements of Note Q of regulation n° 1272/2008 and therefore not classified carcinogenicity.

(1a) Wood Wool - A non hazardous ingredient.

CAS: Chemical Abstracts Service.

Heraklith® REACH Registration number: Not applicable.

#### Other information

Possible facing materials: Glass veil with binder

## Heraklith® Multilayer Boards with Rock Mineral Wool

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove from exposure. Rinse the throat and clear dust from airways.
<b>Ingestion</b>	Drink plenty of water if accidentally ingested.
<b>Skin contact</b>	If mechanical irritation occurs, remove contaminated clothing and wash skin gently with cold water and soap.
<b>Eye contact</b>	Do not rub. Rinse thoroughly with water and seek medical attention if necessary.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	The mechanical effect of fibres in contact with skin may cause temporary itching.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>General information</b>	If any adverse reaction or discomfort continues from any of the above exposures, seek professional medical advice.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Water, foam, carbon dioxide (CO <sub>2</sub> ), and dry powder.
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#### 5.2. Special hazards arising from the substance or mixture

<b>General information</b>	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.
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#### 5.3. Advice for firefighters

<b>General information</b>	In large fires in poorly ventilated areas involving packaging materials respiratory protection / breathing apparatus may be required.
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## Heraklith® Multilayer Boards with Rock Mineral Wool

### SECTION 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 precautions** 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

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Cut using a table saw, jack saw or a circular saw. Always work with a safety guard, guide and an extraction system to ensure adequate ventilation of the workplace.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Special care when removing old insulation, ensure sufficient humidification during demolition work.  
Panels must be stored flat and stably in a dry, clean, swept-out room to protect them from moisture, soiling and dust.  
Delivered on pallets packed in foil, edge protection, card board cover and packaging stripes.

**Incompatible materials** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

#### 7.3. Specific end use(s)

**Specific end use(s)** Thermal and/or acoustic insulation

## Heraklith® Multilayer Boards with Rock Mineral Wool

### SECTION 8: Exposure Controls/personal protection

#### **8.1. Control parameters**

##### **Occupational exposure limits**

Synthetic mineral fibre: according to work situation, refer to local legislation.

#### **8.2. Exposure controls**

##### **Appropriate engineering controls**

No specific measures.

##### **Eye/face protection**

Goggles especially if dust levels are high or working above shoulders. Eye protection to EN 166 is advised.

##### **Hand protection**

Use gloves to avoid itching in conformity with EN 388.

##### **Other skin and body protection**

Cover exposed skin. Wear loose-fitting, closed work clothing.

##### **Hygiene measures**

After contact, wash hands with cold water and soap.

##### **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.

## Heraklith® Multilayer Boards with Rock Mineral Wool

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Solid. Board/Panel
<b>Colour</b>	Wood Wool - Beige, grey or coloured RMW (Rock Mineral Wool) - Ochre.
<b>Odour</b>	Not applicable.
<b>Odour threshold</b>	No data available.
<b>pH</b>	Wood Wool - 8.5 - 10 (@ 1000g/l H <sub>2</sub> O, 25°C)
<b>Melting point</b>	Fibre melting point > 1000 °C according to DIN 4102-17.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	B or A2 according to DIN EN 13501
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapour density</b>	Not applicable.
<b>Relative density</b>	Wood Wool - 350 - 700 kg/m <sup>3</sup> RMW (Rock Mineral Wool) - < 160 kg/m <sup>3</sup>
<b>Solubility(ies)</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not applicable.
<b>Viscosity</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	Not applicable.

#### 9.2. Other information

<b>Nominal diameter of fibres</b>	3 - 7 µm
<b>Length weight geometric mean diameter less 2 standard errors</b>	≈ 6 µm
<b>Orientation of fibres</b>	Random



## Heraklith® Multilayer Boards with Rock Mineral Wool

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** None.

#### 10.2. Chemical stability

**Stability** Product will thermally decompose above 100°C

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None in normal conditions of use.

#### 10.4. Conditions to avoid

**Conditions to avoid** Heating above 100°C

#### 10.5. Incompatible materials

**Materials to avoid** None.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None in normal conditions of use. Decomposition of binder above 100°C may produce carbon dioxide and some trace gases. The duration of release is dependant upon the thickness of the insulation, binder content and the temperature applied.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** The mechanical effect of fibres in contact with skin may cause temporary itching.

#### Carcinogenicity

**Carcinogenicity** Classification not applicable for this product; in accordance with European Regulation 1272/2008, note Q.

## Heraklith® Multilayer Boards with Rock Mineral Wool

### SECTION 12: Ecological Information

#### 12.1. Toxicity

**Toxicity** This product is not ecotoxic to air, water or soil, by composition.  
COD (mg/l): <300 Core : <15

#### 12.2. Persistence and degradability

**Persistence and degradability** Inert inorganic product with Thermo set, inert polymer based on cured phenol formaldehyde resins; 0 - 10%

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Will not bioaccumulate.

#### 12.4. Mobility in soil

**Mobility** Not considered mobile. Less than 1% leachable organic carbon if landfilled.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** Not relevant.

#### 12.6. Other adverse effects

**Other adverse effects** None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** [12 01 05] Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.  
The residues are in a finely divided form as structural materials in composting.

**Disposal methods** Dispose of in accordance with regulations and procedures in force in country of use or disposal.

## Heraklith® Multilayer Boards with Rock Mineral Wool

### SECTION 14: Transport information

**General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

Not applicable.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

**Environmentally hazardous substance/marine pollutant**

No.

**14.6. Special precautions for user**

None known.

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

**Transport in bulk according to** Not relevant.

**Annex II of MARPOL 73/78**

**and the IBC Code**

## Heraklith® Multilayer Boards with Rock Mineral Wool

### SECTION 15: Regulatory information

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

##### EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

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 (as amended).

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.

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

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.

#### 15.2. Chemical safety assessment

Not relevant.

### SECTION 16: Other information

##### Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service.

IARC: International Agency for Research on Cancer.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods.

MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.

PBT: Persistent, Bioaccumulative and Toxic substance.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

UN: United Nations.

vPvB: Very Persistent and Very Bioaccumulative.

## Heraklith® Multilayer Boards with Rock Mineral Wool

### General information

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

EUCEB, European Certification Board of Mineral Wool Products - [www.euceb.org](http://www.euceb.org). The EUCEB trademark certifies that the manufactured fibres have a chemical composition within the ranges of exonerated reference fibres, which have been tested in accordance with European protocols and have been shown to be in conformity with Note Q, exoneration criteria for carcinogenicity, of the Regulation (EC) 1272/2008.

The mineral wool producers commit to EUCEB to:

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

Products meeting EUCEB certification requirements can be recognised by the EUCEB logo printed on the packaging.

Heraklith® is a registered trade mark of Knauf Insulation.

### Further information can be obtained from

[www.euceb.org](http://www.euceb.org)    [www.heraklith.com](http://www.heraklith.com)



Further product information can be obtained from [info@heraklith.com](mailto:info@heraklith.com)

Revision comments	3.2
Revision date	03/03/2017
Revision	5.0
Supersedes date	27/09/2016
SDS number	4727
Product Families	Tektalan E

**Other information** In 2001, the International Agency for Research on Cancer (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/>)

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.