



**Heraklith<sup>®</sup>**  
Version 3.00

**Heraklith.**

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Revision Date:	2015-06-10	Print date:	2015-06-10
Product No.:	KI_DP_405	SDS-ID:	GLe-EN/3.0

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## 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 (RMW)

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

Identified use(s): Thermal and/or acoustic insulation

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

Head Office Knauf Insulation  
Am Bahnhof  
97346 Iphofen  
Germany  
Tel: +32 (0) 1048 8460  
sds@knaufinsulation.com  
www.knaufinsulation.com

Region: Liechtenstein

### 1.4. Emergency telephone number

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## SECTION 2: HAZARDS IDENTIFICATION

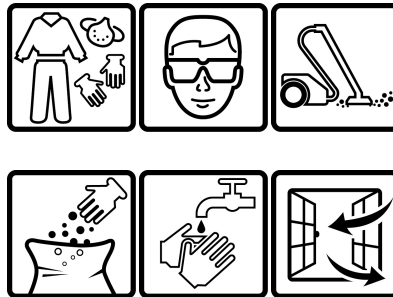
### 2.1. Classification of the substance or mixture

GHS/CLP CE N 1272/2008 The product is not classified.

### 2.2. Label elements

There are no Risk Phrases associated with this product.

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: N/A.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

GHS/CLP CE N 1272/2008

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
5 - 30	-	-	--	Wood Spruce		(1), (2)
10 - 30	-	926-099-9	01-2119472313-	Rock Mineral Wool	-	
40 - 85	-	-	--	Bonded with a mineral based cured binder	-	

Notes: (1) Wood Wool - Non-hazardous substance.  
(2) CAS-No.: Chemical Abstract Service

Possible facing materials: Glass veil with binder

Heraklith® REACH Registration number: Not applicable.  
Rock mineral wool. REACH Registration number: 01-2119472313

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

Inhalation: Remove from exposure. Rinse the throat and clear dust from airways.

Skin contact: If mechanical irritation occurs, remove contaminated clothing and wash skin gently with cold water and soap.

Eye 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 fibres in contact with skin may cause 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.

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## SECTION 5: FIREFIGHTING MEASURES

### **5.1. Extinguishing media**

Extinguishing media: Water, foam, carbon dioxide (CO<sub>2</sub>), and dry powder.

### **5.2. Special hazards arising from the substance or mixture**

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 involving packaging materials respiratory protection / breathing apparatus may be required.

## 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**

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

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## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Safe handling advice: None.

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

Technical precautions: 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

Technical measures for safe storage: Special care when removing old insulation, ensure sufficient humidification during demolition work.

Storage conditions: 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.

No incompatible groups noted.

### 7.3. Specific end use(s)

Not relevant.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: None at European level, refer to member state guidelines and legislation:

### 8.1. Control parameters

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

### 8.2. Exposure controls

Engineering measures: No specific measures.

Respiratory equipment: 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: Use gloves to avoid itching in conformity with EN 388.

Eye 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.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<u>Appearance:</u>	Solid.
<u>Form:</u>	Board/Panel
<u>Colour:</u>	Wood Wool - Beige, grey or coloured RMW (Rock Mineral Wool) - Ochre.
<u>Odour:</u>	N/A.
<u>pH:</u>	Wood Wool - (@ 1000 g / l H <sub>2</sub> O) (25°C) 8.5 - 10
<u>Boiling point:</u>	N/A.
<u>Flash point:</u>	N/A.
<u>Flammability (solid, gas):</u>	B or A2 according to DIN EN 13501
<u>Explosion limits:</u>	N/A.
<u>Vapour density:</u>	N/A.
<u>Relative density:</u>	Wood Wool - 350 - 700 kg/m <sup>3</sup> RMW (Rock Mineral Wool) - < 160 kg/m <sup>3</sup>
<u>Auto Ignition Temperature (°C):</u>	N/A.
<u>Explosive properties:</u>	N/A.
<u>Oxidising properties:</u>	N/A.

### 9.2. Other information

Fibre melting point: > 1000 °C according to DIN 4102-17.

Nominal diameter of fibres. 3 - 7 µm

Length weight geometric mean diameter less 2 standard errors: 6 µm

Orientation of fibres: Random.

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## 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**

Hazardous Reactions: None in normal conditions of use.

### **10.4. Conditions to avoid**

Conditions/materials to avoid: Heating above 100°C

### **10.5. Incompatible materials**

Incompatible materials: 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**

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

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



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## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

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

### **12.2. Persistence and degradability**

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 bio-accumulate.

### **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**

Not relevant.

### **12.6. Other adverse effects**

None known.

## SECTION 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.

Contaminated packaging: Dispose of in accordance with regulations and procedures in force in country of use or disposal.

EWC-code: 12 01 05, Non-hazardous substance.

Other information: The residues are in a finely divided form as structural materials in composting.

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## SECTION 14: TRANSPORT INFORMATION

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

### **14.1. UN number**

UN-No: -

### **14.2. UN proper shipping name**

Proper Shipping Name: -

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

Class: -

### **14.4. Packing group**

Packing group: -

### **14.5. Environmental hazards**

Marine pollutant: -

Environmentally Hazardous substance: -

### **14.6. Special precautions for user**

Special precautions: None known.

### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Transport in bulk: Not relevant.

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## SECTION 15: REGULATORY INFORMATION

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

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.

This material Safety Data Sheet / Product Data Sheet is in accordance with the EU directives 1907/2006, 1272/2008 and 453/2010.

### **15.2. Chemical Safety Assessment**

CSA status: Not relevant.

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## SECTION 16: OTHER 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), 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 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)



Additional information:

Change to Sections: 2.1, 2.2, 2.3, 3.2, 4.1, 5.3, 11.1, 15.1, 16

Moreover, in 2001, the IARC, reclassified glass mineral wool fibres from Group 2B (possibly carcinogenic) to «not classifiable as to their carcinogenicity to humans (Group 3)». (See Monograph Vol 81, <http://monographs.iarc.fr/>).

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The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

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