



06 05 2010

Safety Data Sheet

Rock Mineral Wool with ECOSE Technology



1. PRODUCT AND COMPANY IDENTIFICATION

Generic product name	: Knauf Insulation Rock Mineral Wool		
REACH Registration Number	: Not available at present time.		
Recommended use	: Thermal and/or acoustic insulation for use in technical applications, industrial applications and in building construction.		
Producer	: Knauf Insulation Head Office, Am Bahnhof 97346 Iphofen Germany Web: www.knaufinsulation.com		
Region	Contact	Telephone number	Email
UK	Head Office Country Contact Emergency	+32 (0) 10488460 +44 (0) 1744 766670	Reach@knaufinsulation.com paul.carroll@knaufinsulation.com

2. HAZARDS IDENTIFICATION

Most important hazards	: There are no Risk Phrases associated with this product
Specific hazards	: Not Applicable

3. COMPOSITION / INFORMATION or INGREDIENTS

Substance	C.A.S. number ⁽²⁾	weight (%)	Classification and labelling (Regulation (CE) n°1272/2008) ⁽³⁾	Classification and labelling (European directive 67/548/EEC as amended 97/69/EC)	EC number
Rock mineral wool ⁽¹⁾	None	90 – 100%	Not Classified	Not Classified	926-099-9
Thermo set, inert polymer bonding agent derived from plant starches	None	0 – 10%	Not Classified	Not Classified	

⁽¹⁾ : Mineral wool man (machine) made vitreous fibre (mmvf), alkali and alkaline earth (CaO + MgO + NaO + K₂O) > 18 % in weight meeting the requirements of Note Q of directive 97/69/EEC

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

⁽³⁾ : 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)

Possible facing materials: glass veil, or polyester mat or aluminium or Kraft paper, wired mats.

4. 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** : rinse abundantly with water for at least 15 minutes.
- **Ingestion** : Drink plenty of water if accidentally ingested.

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

5. FIRE FIGHTING MEASURES

- Suitable extinguishing media** : Products do not pose a fire hazard in use; however, some packaging materials or facings may be combustible. Suitable extinguishing media; water, foam, carbon dioxide (CO₂), and dry powder.
: In large fires in poorly ventilated areas or involving packaging materials respiratory protection / breathing apparatus may be required.
: Products of combustion from product and packaging - carbon dioxide, carbon monoxide and some trace gases such as ammonia, nitrogen oxides and volatile organic substances

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : In case of presence of high concentrations of dust, use the same personal protective equipment as mentioned in section 8.
- Environmental protection** : Not relevant
- Methods for cleaning up** : Vacuum cleaner or dampen down with water spray prior to brushing up.

7. HANDLING and STORAGE

Handling

- **Technical measures** : No specific measure. Use preferably a knife, do not use a saw or use power tools.
- **Precautions** : Ensure adequate ventilation of workplace.
- **Safe handling advice** : Avoid unnecessary handling of unwrapped product.

Storage

- **Technical measures** : No specific measure, palletised products should be stored in accordance with Knauf Insulation guidance sheet and site specific risk assessment
- **Suitable storage condition** : Store products removed from pallet and packaging or loose un-palletised product, in a dry location
- **In-compatible materials** : None
- **Packaging material** : Delivered packed in polyethylene film and or on wooden pallets

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Value	: None at European level, refer to member state guidelines and legislation:- UK: Airborne 2 f/ml, total inhalable gravimetric limit; 5 mg/m ³
Exposure 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	: Gloves to avoid itching in conformity with EN 388
- Eyes protection	: Goggles especially if working above shoulders. Eye protection to EN 166 is advised
- Skin protection	: Cover exposed skin.
- 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



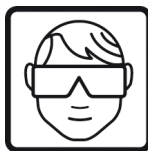
Clean using vacuum equipment



Ventilate working area if possible



Waste should be disposed of according to local regulations



Wear goggles when working overhead

9. PHYSICAL and CHEMICAL PROPERTIES

Physical state	: solid
Form	: roll or panel
Colour	: Ochre
Odour	: not relevant
pH	: not relevant
Boiling point	: not relevant
Flash point	: not relevant
Flammability	: not relevant
Explosive properties	: not relevant
Density	: from 30 to 250 kg/m ³
Water solubility	: generally chemically inert and insoluble in water.
Fat solubility	: not applicable
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

Stability	: Binder will decompose above 200°C
Dangerous reactions	: None in normal conditions of use
Hazardous decomposition products	: None in normal condition of use. Decomposition of binder above 200°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.

11. TOXICOLOGICAL INFORMATION

Acute effect	: The mechanical effect of 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

This product is not ecotoxic to air, water or soil, by composition. Inert inorganic product with organic content; up to 10 % and less than 1% leachable organic carbon if landfilled.

13. DISPOSAL CONSIDERATIONS

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	: 17 06 04, non hazardous.

14. TRANSPORT INFORMATION

International regulations : Not classified for transport

15. REGULATORY INFORMATION

European Regulatory information;

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.

Knauf insulation mineral wool products (panels, batts or rolls), 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, Knauf Insulation has decided to continue to provide its customers with the appropriate information for the purpose of assuring safe handling and use of mineral wool throughout the product life.

This material Safety data sheet is in accordance with the EU directives 67/548/EEC, 1999/45/EEC and 91/155/EEC, as amended 93/112/EC and 2001/58/EC

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, 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. EUCEB ensures that the producers of mineral wool have put in place self-control measures.

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 of the Directive 97/99/EC,
- 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.

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



EUCEB is an ISO 9001:2000 certified association.

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 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.

Product Families

- **Rocksilk**
- **Icerock**
- **Smoke & Fire Barriers**
- **Ductslab**
- **Unidare**
- **Roofmax**
- **PLLX1**
- **A.I.M**
- **NF**

