


 SAFETY DATA SHEET

Date: 28.10.2011

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**1.1 Identification of the substance or preparation****Trade name**

ICEROCK Stone wool (loose wool)

Code of preparation

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Reach registration number

01-2119472313-44-0011

1.2 Use of the substance/preparation**1.2.1 The uses of the chemical**

Granulated stone wool products principally for building insulation.

1.2.2 Classification of economic activities (NACE) 2399**1.2.3 Use categories (UC62)** 32**1.2.4 The chemical can be used by the general public** **1.2.5 The chemical is used by the general public only** **1.3 Company/undertaking identification****1.3.1 Manufacturer, importer, other undertaking**

Steinull hf

1.3.2 Contact information:

Street address Skarðseyri 5
Postcode and post office 550 Sauðárkrókur, Iceland
Telephone number +354 455 3000
Telefax +354 455 3019
E-mail address steinull@steinull.is

1.3.3 Information on the foreign manufacturer**1.4 Emergency telephone****1.4.1 Telephone number, name and address**

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2. HAZARDS IDENTIFICATION

ICEROCK stone wool is not classified as dangerous according to EU directive 67/548/EEC, regulation (EC) No 1272/2008 and the directive 2009/2/EC. Decomposition of binder above 190 °C may produce carbon dioxide and some trace gases.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Hazardous ingredients**

3.1.1 CAS/EC number and the Registration number	3.1.2 Name of the ingredient	3.1.3 Concentration	3.1.4 Classification (symbol letters and R phrases) and other data on the ingredient
-	Mineral wool	96 - 99 %	TLV _{gh} 1 fibre / cm ³

3.1.5 There has been request for confidentiality of a substance according to Annex 2 of the decree. **3.1.6 A substance not dangerous has been indicated as confidential** **3.1.7 Other information**

The products consist of an unorganized substance of mineral wool fibre and other particles of glass. As binder (0-6%) a phenol-formaldehyde-urea copolymer is used and also 0-0,4% of mineral oil for dust binding.

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4. FIRST AID MEASURES**4.1 Special instructions**

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4.2 Inhalation

Leave the dusty space.

4.3 Skin contact

If irritation occur, do not rub or scratch. Rinse under running water prior to washing with soap and water.

4.4 Eye contact

If irritation occur, do not rub the eyes. Flush eyes carefully with eye flushing liquid or water. Consult a physician if irritation persists.

4.5 Ingestion

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4.6 Information for a doctor or other professionals giving first aid

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5. FIRE-FIGHTING MEASURES**5.1 Suitable extinguishing media**

There are no special demand for extinguishing media. Normal extinguishing media can be used.

5.2 Extinguishing media which shall not be used for safety reasons.

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5.3 Special exposure hazards in a fire.

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5.4 Special protective equipment for fire-fighters.

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5.5 Other instructions.

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6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions**

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6.2 Environmental precautions

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6.3 Methods for cleaning up

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6.4 Other instructions

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7. HANDLING AND STORAGE**7.1 Handling**

When installing insulation in unventilated spaces a suitable disposable facemask should be used. When handling product, cover exposed skin. Wear goggles when working with product overhead. Dispose of waste in accordance with local regulations. Clean area using vacuum equipment. If itching occurs, it may be lessened by rinsing in cold water before washing.

7.2 Storage

Keep material in original packaging protected against humidity and mechanical damage until it is to be used.

7.3 Specific use(s)

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Exposure limit values****8.1.1 Limit values**Mineral wool, respirable fibre in Iceland $TLV_{8h} = 1 \text{ fibre/cm}^3$ **8.1.2 Limit values for other countries****Sweden:**Mineral wool, respirable fibre $TLV_{8h} = 1 \text{ fibre/cm}^3$ Un-organic total dust 10 mg/m^3 .



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8.2 Exposure controls**8.2.1 Occupational exposure controls**

See 7.1

8.2.1.1 Respiratory protection

In the spraying work a full-face fresh air hose breathing apparatus or a mask with safety goggles and a respirator with filter (P2) should be worn. Persons in the nearness of the operator should use the same protective equipment if there is any risk that the limit-value is exceeded or if the dust irritates.

8.2.1.2 Hand protection

Wear suitable gloves.

8.2.1.3 Eye protection

Proper eye protection should always be worn in the spraying work. If a person is wearing contact lenses, safety goggles should always be worn in the nearness of spraying.

8.2.1.4 Skin protection

Use suitable protective clothes and gloves that fit tightly around the neck and the wrists. Wash working clothes separately from the other laundry.

8.2.2 Environmental exposure controls

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9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 General information (physical state, colour and odour)**

Solid, fibrous, yellowish brown, odourless

9.2 Important health, safety and environmental information**9.2.1 pH**

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9.2.2 Boiling point/boiling range

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9.2.3 Flash point

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9.2.4 Flammability (solid, gas)

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9.2.5 Explosive properties

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9.2.6 Oxidising properties

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9.2.7 Vapour pressure

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9.2.8 Relative density20 – 100 kg/m³**9.2.9 Solubility**

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9.2.9.1 Water solubility

The products are practically insoluble in water

9.2.9.2 Solubility in solutions

The products are practically insoluble in organic solutions and oil.

9.2.10 Viscosity

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9.2.11 Vapour density

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9.2.12 Evaporation rate

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9.3 Other information

At temperatures above 1000°C the glass in the stone wool begin to soften and melt. There is no actual melting point.



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10. STABILITY AND REACTIVITY**10.1 Conditions to avoid**

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10.2 Materials to avoid

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10.3 Hazardous decomposition products

Decomposition of binder starts at 190 °C and may produce carbon dioxide and some smelling trace gases. This happens when product is heated for the first time and lasts for a short while. Ventilate room as long as smell exist.

11. TOXICOLOGICAL INFORMATION**11.1 Acute toxicity**

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11.2 Irritancy and corrosivity

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

11.3 Sensitisation

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11.4 Sub-acute sub-chronic and prolonged toxicity

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11.5 Human health effects based on experience

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11.6 Other information on health effects

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12. ECOLOGICAL INFORMATION**12.1 Ecotoxicity****12.1.1 Aquatic toxicity**

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12.1.2 Toxicity to other organisms

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12.2 Mobility

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12.3 Persistence and degradability**12.3.1 Biodegradation**

Stone wool decompose very slowly in the environment and does not emit any substances that would have a noticeable impact on the environment.

12.3.2 Chemical degradation

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12.4 Bioaccumulative potential

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12.5 Results of PBT assessment

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12.6 Other adverse effects

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13. DISPOSAL CONSIDERATIONS

Stone wool waste is according to the European waste catalogue classified as non-hazardous waste (code 17 06 04) and can be disposed on a landfill for non-hazardous waste.

14. TRANSPORT INFORMATION**14.1 UN number**

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14.2 Packing group

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14.3 Land transport**14.3.1 Transport class**

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14.3.2 Risk code

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14.3.3 Name according to bill of freight

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14.3.4 Other information

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14.4 Sea transport**14.4.1 IMDG class**

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14.4.2 Correct technical name

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14.4.3 Other information

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14.5 Air transport**14.5.1 ICAO/IATA class**

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14.5.2 Correct technical name

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14.5.3 Other information

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15. REGULATORY INFORMATION**15.1 Information on the label****15.1.1 Danger symbols (letters) and indications of danger**

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15.1.2 Substances to be named on the label

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15.1.3 R phrases

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15.1.4 S phrases

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15.1.5 Special provisions concerning the labelling of certain preparations

The products contain mineral wool fibres, which according to directive 67/548/EC and the regulation (EC) No 1272/2008 note Q, have high bio-solubility and are therefore not classified as carcinogen. Mineral wool manufactured by ICEROCK has been tested according to the EU protocol ECB/TM 27 Rev. 7 1998 and the fibres fulfil the note Q requirements of bio-solubility.

15.1.6 Chemical Safety Assessment has been carried out for the following substances.

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15.2 National regulations

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16. OTHER INFORMATION

16.1 List of relevant R phrases

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16.2 Training advice

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16.3 Recommended restrictions on use

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16.4 Further information

IARC has classified mineral wool fibres year 2001 in group 3 ("not classifiable as carcinogenic to human")

16.5 Sources of key data used to compile the Safety Data Sheet

Directive 67/548/EC, regulation (EC) No 1272/2008 and directive 2009/2/EC. IARC (2002), IARC Monographs on the evaluation of carcinogenic risks to humans, Volume 81 Man-made vitreous fibres.

16.6 Information which has been added, deleted or revised

Added Point 1.1 Reach registration numbers.