



**ICEROCK**

Trade name: **ICEROCK STONE WOOL**  
(form shaped products)

Date: 15.08.2001

MATERIAL SAFETY DATA

INFORMATION FORM  
FOR CHEMICALS DATA

Former date: 15.01.2000

**1. IDENTIFICATION OF THE CHEMICAL AND OF THE MANUFACTURER, IMPORTER OR OTHER UNDERTAKING**

**1.1 Identification of the substance or preparation**

Form shaped stone wool products like slabs, mats and pipe lags manufactured by ICEROCK.  
**Trade name** ICROCK Stone wool

**1.2 Identification of the manufacturer, importer or other undertaking**

**1.2.1 Manufacturer** Steinull hf.

**1.2.2 Street address** Skarðseyri 5  
**Post-office box**  
**Postcode and post office** 550 Sauðárkrúkur Iceland  
**Telephone number** +354 4553000  
**Telefax** +354 4553019  
**E – mail** steinull@steinull.is  
**Home page** http://www.steinull.is  
**ID No** 590183 - 0249  
**Name and address of the informant in emergency cases** -  
**Emergency telephone number** -

**2. COMPOSITION AND INFORMATION ON INGREDIENTS**

**2.1 Description**

Stone wool products for building, technical and sound insulation. The products are form shaped like slabs, mats or pipe lags. As binder (0-4%) a phenol-formaldehyde-urea copolymer is used. The products are either with or without facing. The facing can be for instance paper, polyethene plastic, aluminium foil, glass- or polypropene tissue, a thin metal sheet or a plastic film laminate.

**2.2 Hazardous ingredients**

2.2.1 CAS number or other code	2.2.2 Name of the ingredient	2.2.3 Concentration	2.2.4 Warning symbol, R phrases and other data on the ingredient
-	Mineral wool	94 - 100 %	Xi, R 38 Irritating, irritating to skin TLV <sub>8h</sub> 10 mg/m <sup>3</sup>

**3. HAZARDS IDENTIFICATION**

Mineral wool is classified as irritating to skin. The irritation is mechanical and temporary. High dust levels may irritate the eyes and the upper respiratory tract. The binder can emit unhealthy gases when the product for the first time is heated over 190 °C.

**4. FIRST AID MEASURES**

**4.1 Special instructions** -

**4.2 Inhalation** Leave the dusty space.

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

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



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4.5 **Ingestion** -

## 5. FIRE-FIGHTING MEASURES

### 5.1 Suitable extinguishing media

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

## 6. ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions** -

6.2 **Environmental precautions** -

## 7. HANDLING AND STORAGE

### 7.1 Handling

Cut the products with a sharp knife on a fixed workbench.  
Ensure good ventilation especially in confined spaces and in removal works.  
When using high speed cutting tools or in particularly dusty work, local exhaust ventilation should be used. If not, use personal protective clothing.  
Dispose the scrap material in suitable waste bags and then use a vacuum cleaner. Avoid dry sweeping.

### 7.2 Storage

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Technical measures for exposure controls** See point 7

### 8.2 Limit values for workplace air

8.2.1 **HTP-values** Inorganic dust, in Iceland TLV<sub>8h</sub> = 10 mg/m<sup>3</sup>

### 8.3 Personal protective equipment

#### 8.3.1 Special instructions for protection and hygiene

Change clothes and wash your self after completing work.  
Working clothes should be kept and washed separately from other clothes.

#### 8.3.2 Respiratory protection

A dust mask (class P2) should be used if there is any risk that the limit value is exceeded or if the dust irritates. If it is necessary to be present when the product for the first time is heated over 190°C, a fresh-air mask should be worn.

#### 8.3.3 Hand protection

Wear suitable gloves.

#### 8.3.4 Eye protection

Wear safety goggles whenever insulation wool products are being applied over the eye level. If a person wears contact lenses safety goggles should always worn.

#### 8.3.5 Skin protection

Use suitable protective clothes and gloves that fit tightly around the neck and the wrists.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 **Physical state, colour and odour** Solid, fibrous, yellowish brown, odourless
- 9.2 **pH** -
- 9.3 **Information on changes in the physical state**
- 9.3.1 **Boiling point/boiling range** -
- 9.3.2 **Melting point/melting range**  
At temperatures above 1000 °C the glass in the stone wool begin to soften and melt. There is no actual melting point.
- 9.3.3 **Decomposition temperature** The binder will decompose at a temperature above 190 °C.
- 9.4 **Flash point** -
- 9.8 **Explosive limits** a) upper -  
b) lower -
- 9.10 **Vapour pressure** -
- 9.12 **Relative density** 20 - 250 kg/m<sup>3</sup>
- 9.13 **Solubility** The products are practically insoluble in water and in organic solutions.

## 10. STABILITY AND REACTIVITY

The products are chemically stable and non-reactive.

- 10.1 **Conditions to avoid** -
- 10.2 **Materials to avoid** -
- 10.3 **Hazardous decomposition products**  
At temperatures above 190 °C the binder will decompose which will occur as an odour. The emission is of short duration. Ensure good ventilation as long as the odour occurs. Avoid presence in the unpleasant smoke. If this is necessary, use personal protection according to point 8.

## 11. TOXICOLOGICAL INFORMATION

- 11.1 **Acute toxicity** -
- 11.2 **Irritancy and corrosiveness** Irritates the skin mechanically.
- 11.3 **Sensitisation** -
- 11.4 **Sub-acute sub-chronic and prolonged toxicity** -
- 11.5 **Empirical data on effects on humans**  
Irritates the skin, the eyes and the upper respiratory tract mechanically .

## 12. ECOLOGICAL INFORMATION

- 12.1 **Persistence in the environment** Stone wool decompose very slowly in the environment and do not emit any substances that would have an noticeable impact on the environment. The same is valid for the facings.
- 12.2 **Bio-accumulation** -
- 12.3 **Mobility** -
- 12.4 **Toxic effects on organisms** -



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**13. DISPOSAL CONSIDERATIONS**

No special regulations are required for disposal of stone wool.

**14. TRANSPORT INFORMATION**

No special regulations are required for transportation of the products.

**14.3 Land transport** -

**14.4 Sea transport** -

**14.5 Air transport** -

**15. REGULATORY INFORMATION**

The products contain mineral wool fibres, which are according to the 23. change (97/69/EC) EU directive 67/548/EC classified as irritating to skin. In the same directive note Q, mineral wool with high bio-solubility is 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 Information on the warning label** -

**16. OTHER INFORMATION**

**16.1 Purpose of use**

**16.1.1 Expressed in writing**

ICEROCK Stone wool products are used in thermal and sound insulating or fire protection applications e.g. in buildings, in industrial processes, in energy supply processes and in shipbuilding.

**16.1.2 Code for the purpose of use**

SIC1: 45      KT1: 2

**16.3 Additional information** -

**16.4 Sources of information used in the compilation of the safety data sheet**

EU directive 67/548/E and its 23. change (97/69/EC)

**Date** 15.08.2001

Steinullarverksmiðjan  
Technology

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