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

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

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
Mineral wool

3.1.3 Concentration
96 - 99 %

3.1.4 Classification (symbol letters and R phrases) and other data on the ingredient
TLV 8h 1 fibre / cm³

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.
4. **FIRST AID MEASURES**

4.1 Special instructions

4.2 Inhalation
Leave the dusty space.

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

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

4.5 Ingestion
- 

4.6 Information for a doctor or other professionals giving first aid
- 

5. **FIRE-FIGHTING MEASURES**

5.1 Suitable extinguishing media
There are no special demands for extinguishing media. Normal extinguishing media can be used.

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

5.3 Special exposure hazards in a fire.
- 

5.4 Special protective equipment for fire-fighters.
- 

5.5 Other instructions.
- 

6. **ACCIDENTAL RELEASE MEASURES**

6.1 Personal precautions
- 

6.2 Environmental precautions
- 

6.3 Methods for cleaning up
- 

6.4 Other instructions
- 

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)
- 

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1 Exposure limit values

8.1.1 Limit values
Mineral wool, respirable fibre in Iceland TLV_{8h} = 1 fibre/cm^3

8.1.2 Limit values for other countries
Sweden:
Mineral wool, respirable fibre TLV_{8h} = 1 fibre/cm^3
Un-organic total dust 10 mg/m^3.
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

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
    -

9.2.2 Boiling point/boiling range
    -

9.2.3 Flash point
    -

9.2.4 Flammability (solid, gas)
    -

9.2.5 Explosive properties
    -

9.2.6 Oxidising properties
    -

9.2.7 Vapour pressure
    -

9.2.8 Relative density
    20 – 100 kg/m³

9.2.9 Solubility
    -

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
    -

9.2.11 Vapour density
    -

9.2.12 Evaporation rate
    -

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.
10. STABILITY AND REACTIVITY

10.1 Conditions to avoid

10.2 Materials to avoid

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

11.2 Irritancy and corrosivity
The mechanical effect of fibres in contact with skin may cause temporary itching.

11.3 Sensitisation

11.4 Sub-acute sub-chronic and prolonged toxicity

11.5 Human health effects based on experience

11.6 Other information on health effects

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

12.1.1 Aquatic toxicity

12.1.2 Toxicity to other organisms

12.2 Mobility

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

12.4 Bioaccumulative potential

12.5 Results of PBT assessment

12.6 Other adverse effects

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

14.2 Packing group
14.3 Land transport

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>14.3.1 Transport class</td>
<td>-</td>
</tr>
<tr>
<td>14.3.2 Risk code</td>
<td>-</td>
</tr>
<tr>
<td>14.3.3 Name according to bill of freight</td>
<td>-</td>
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<tr>
<td>14.3.4 Other information</td>
<td>-</td>
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</tbody>
</table>

14.4 Sea transport

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<tr>
<th>Subsection</th>
<th>Details</th>
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<tbody>
<tr>
<td>14.4.1 IMDG class</td>
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</tr>
<tr>
<td>14.4.2 Correct technical name</td>
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</tr>
<tr>
<td>14.4.3 Other information</td>
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14.5 Air transport

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<th>Subsection</th>
<th>Details</th>
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<tbody>
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<td>14.5.3 Other information</td>
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15. REGULATORY INFORMATION

15.1 Information on the label

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>15.1.1 Danger symbols (letters) and indications of danger</td>
<td>-</td>
</tr>
<tr>
<td>15.1.2 Substances to be named on the label</td>
<td>-</td>
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<td>15.1.3 R phrases</td>
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<td>15.1.4 S phrases</td>
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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.

15.2 National regulations

-
16. OTHER INFORMATION

16.1 List of relevant R phrases

16.2 Training advice

16.3 Recommended restrictions on use

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

16.6 Information which has been added, deleted or revised
Added Point 1.1 Reach registration numbers.