Safe Use Instruction Sheet
Issue date February 1st 2018

Section 1 Identification of the substance / mixture and of the company

1.1 Product identifier

<table>
<thead>
<tr>
<th>Generic product name</th>
<th>Engineered Stone Wool – Grey/Green</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade names</td>
<td>Noistop®, Rockdelta®, Lapinus® WM, Rockflow</td>
</tr>
</tbody>
</table>

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

Recommended use

- Noistop® Acoustic fence for sound insulation
- Rockdelta® Noise and Vibration isolation in track systems
- Lapinus® WM, Rockflow Water Management Applications

No uses advised against.

1.3 Details of the supplier of the Safe Use Instruction Sheet

Supplier

Lapinus
ROCKWOOL B.V.
P.O. Box 1160
6040 KD, Roermond
The Netherlands

1.4 Emergency telephone number

Email ra@lapinus.com
Phone +31 475 35 35 55
(business hours GMT+1)

The mechanical effect of fibres in contact with skin may cause temporary itching. It is therefore advised to take the following precautions.

- Ventilate working area if possible
- Waste should be disposed of according to local regulations
- Cover exposed skin. When working in unventilated area wear disposable face mask
- Clean area using vacuum equipment
- Wear goggles when working overhead
- Rinse in cold water before washing
**Section 2 Hazards Identification**

2.1 Classification of the substance or mixture

Not classified.

2.2 Label elements

No labelling applicable

2.3 Other hazards

Use of high speed cutting tools can generate dust. When heated to approximately 200°C for the first time, release of binder components and binder decomposition products can occur which, in high concentrations, may irritate the eyes and respiratory system. Further information can be found in Section 8.

**Section 3 Composition / information on ingredients**

3.1 Engineered Stone Wool - Grey/Green

<table>
<thead>
<tr>
<th>Substance</th>
<th>Product identifier</th>
<th>Amount weight (%)</th>
<th>Classification and labelling according to Regulation EC n° 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stone wool(^1)</td>
<td>(CAS) 287922-11-6</td>
<td>95 - 100%</td>
<td>Not classified</td>
</tr>
<tr>
<td></td>
<td>(EC) 926-099-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(REACH) 01-211-9472313-44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organic binder</td>
<td>0 – 5%</td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>Other additives</td>
<td>0 – 0.5%</td>
<td>Not classified</td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na\(_2\)O+K\(_2\)O+CaO+MgO+BaO) content greater than 18% by weight and fulfilling one of the note Q conditions

3.2 Auxiliary materials

None of the possible auxiliary and facing materials are classified according to regulation EC n° 1272/2008 [CLP]. These materials can include pine wood, galvanized steel, stainless steel, polyester netting, glass mat, or aluminium.

**Section 4 First aid measures**

4.1 Description of first aid measures

| First-aid measures general                  | If exposure symptoms persist, seek medical attention. |
| First-aid measures after inhalation         | Move to fresh air.                                    |
| First-aid measures after skin contact       | Rinse skin with cold water. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. |
| First-aid measures after eye contact        | Immediately flush eyes thoroughly with water for at least 15 minutes. Call a physician. |
| First-aid measures after ingestion          | Rinse mouth immediately and drink plenty of water.    |
4.2 Most important symptoms and effects, both acute and delayed
Symptoms/injuries after eye contact: May cause physical irritation upon direct contact.

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

Section 5 Fire-fighting measures
5.1 Extinguishing media
Suitable extinguishing media: Water spray, carbon dioxide (CO2), dry chemical powder, foam.
Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture
Fire hazard: The product itself does not burn.
Explosion hazard: Not explosive.

5.3 Advice for fire-fighters
Fire-fighting instructions: Use self-contained breathing apparatus when in close proximity to fire. Wear proper protective equipment.
Protective equipment for fire-fighters: Wear a self-contained breathing apparatus. Wear recommended personal protective equipment.

5.4 Special hazards arising from the substance or mixture
Some auxiliary materials in Noistop® Wood can be combustible and flammable. The Stone wool as such is non-combustible. Packaging materials and or facings may be combustible.

Section 6 Accidental release measures
6.1 Personal precautions, protective equipment and emergency procedures
General measures: Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

6.1.1 For non-emergency personnel
Protective equipment: Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. Refer to section 8.

6.1.2 For emergency responders
Protective equipment: In case of inadequate ventilation wear respiratory protection. Refer to section 8.
Emergency procedures: Stop leak if safe to do so. Evacuate and limit access.
6.2 Environmental precautions

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Refer to sections 8 and 13.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up
Do not use a dry brush as dust clouds or static can be created. Wet dust with water before sweeping. Spilled material should be removed immediately to avoid formation of dust from dried material. Use clean-up methods that avoid dust generation (vacuum wet).

6.4 Reference to other sections

Refer to sections 8 and 13.

Section 7 Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling
Unpack material at application site to avoid unnecessary handling of product. Keep work area clean. Collect all waste in suitable and labelled containers and dispose according to local legislation. Wet dust with water before sweeping. Dust must be exhausted directly at the point of origin.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions
Store in original container. Store tightly closed in a dry, cool and well-ventilated place.

7.3 Specific end use(s)

No additional information available.

Section 8 Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limit (WEL) must not be exceeded. (total respirable, 8-hour time weighted averages). The dust concentration of inhalable fibres will be under normal working conditions less than 0,1 per cm3.

8.2 Exposure controls

Personal protective equipment

Hand protection
Wear suitable gloves tested to EN 374.

Eye protection
Tightly fitting safety goggles. DIN EN 166.

Skin and body protection
Wear work clothes with long sleeves

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

Other information
Handle in accordance with good industrial hygiene and safety procedures.
### Section 9 Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties of Stone wool

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>Grey/green</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>$&gt; 1000 , ^\circ C$</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>$2.75 , \text{g/cm}^3$</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: Insoluble in water</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not oxidizing</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>Not explosive</td>
</tr>
</tbody>
</table>

#### 9.2 Other information

No additional information available.

### Auxiliary materials

#### 9.2.1 Physical and chemical properties - Wood (Noistop® Wood)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour</td>
<td>Wood</td>
</tr>
<tr>
<td>Flash point</td>
<td>$300, ^\circ C$</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
9.2.2 Physical and chemical properties - Polyethene (Noistop® Steel and Noistop® Wood)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>115°C</td>
</tr>
<tr>
<td>Flash point</td>
<td>221°C</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>395°C</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

9.2.3 Physical and chemical properties - Steel Galvanized: (Noistop® Steel)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>1400-1500°C</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Section 10 Stability and reactivity

10.1 Reactivity

Not reactive

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

Not reactive

10.4 Conditions to avoid

None specified

10.5 Incompatible materials

None specified

10.6 Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO2). When heated to approximately 200 °C for the first time, release of binder components and binder decomposition products can occur which, in high concentrations, may irritate the eyes and respiratory system.
Section 11 Toxicological information

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>No acute toxicity</td>
</tr>
<tr>
<td>Irritation</td>
<td>There can be physical effects on skin, upper respiratory system (mucous membranes) and eyes that can cause temporary, self-fading effects (e.g. itching).</td>
</tr>
<tr>
<td>Corrosivity</td>
<td>No corrosivity</td>
</tr>
<tr>
<td>Sensitisation</td>
<td>No sensitisation</td>
</tr>
<tr>
<td>Repeated dose toxicity</td>
<td>No repeated does toxicity</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>No mutagenicity</td>
</tr>
<tr>
<td>Toxicity for reproduction</td>
<td>No toxicity for reproduction</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Section 12 Ecological information

12.1 Toxicity

None

12.2 Persistence and degradability

Product is not easily biodegradable

12.3 Bioaccumulative potential

None

12.4 Mobility in soil

None

12.5 Result of PBT and vPvB Assessment

No assessment required

12.6 Other adverse effects

No information available

Section 13 Disposal considerations

13.1 Waste treatment methods

Waste disposal recommendations
Comply with local regulations for disposal.

Additional information
Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Section 14 Transport information

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

None specified

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

IBC Code  Not applicable

Section 15 Regulatory information

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

15.1.1 EU-Regulations

No REACH Annex XVII restrictions. Contains no REACH candidate substance

15.1.2 National regulations

No additional information available

15.2 Chemical safety assessment

No additional information available
Section 16 Other information

Although REACH does not require a material safety data sheet to be provided for Engineered Stone Wool, this format is used by Lapinus to provide standardised health and safety information.

All products marketed as Noistop®, Rockdelta®, Lapinus®, and Rockflow are made of non-classified fibres and are certified by EUCEB or RAL. Both certifications confirm that the product is not classified through full compliance with the parameters laid down in Note Q, as defined by Directive 97/69/EC and Regulation (EC) No 1272/2008.

The CAS number under which the Note Q fibres fall is 65997-17-3. Under this number the fibres are registered in the chemical registry systems in most countries in the world. This CAS number however is very broad. The specific chemistry of the bio-soluble fibre has been laid down in the CAS number 287922-11-6 and can be tracked in the CAS Registry System only.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

End of Safe Use Instruction Sheet