1. Product identifier

Trade name: Mineral fibres according Note Q
Cas No.: 287922-11-6, 1010466-98-6, 65997-17-3.
Product code: Roxul®1000, Rockbrake®, Rockseal®, Rockforce®, CoatForce®, Lapinus®, RIF41001, RIF48003

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

1.2.1. Relevant identified uses
Use of the substance/preparation: Reinforcement in composites.

1.2.2. Uses advised against: None known.

1.3. Details of the supplier of the material safety data sheet

Rockwool BV
Lapinus Fibres
Industrieweg 15 P.O. Box 1160
6045 JG Roermond 6040 KD Roermond
The Netherlands
Tel. +31 475 353 555
Fax. +31 475 353 677
Lapinus@lapinusfibres.com

1.4. Emergency telephone number

Poisons Information Centre telephone (PIC) number: 131126

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Classification according to GHS: Not classified.
Adverse physicochemical, human health and environmental effects: No data available.

2.2. Label elements
Labelling according to GHS: No labelling required.

2.3. Other hazards
No data available.

2.4. Remarks
This product is not hazardous according to OSHA 29CFR 1910.1200. IARC classified rock (stone) wool in Group 3 - not classifiable as to its carcinogenicity to human. Newer materials (Nota Q fibres) are found to be non-carcinogenic.
3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to GHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synthetic vitreous (silicate) fibres, note Q</td>
<td>(CAS No.) 287922-11-6; 1010446-98-6; 65997-17-3</td>
<td>95-100</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

3.2. Mixtures

Not applicable.

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
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 large quantities of water.

4.2. Most important symptoms and effects, both acute and delayed

Dust from this product may cause eye irritation. May cause slight irritation to the skin; Inhalation of dust may cause irritation of the respiratory system; symptoms may include stinging, tearing, redness, swelling and blurred vision.

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

Treat symptomatically.

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

No data available.

5.3. Advice for firefighters

Protective equipment for firefighters
Wear a self contained breathing apparatus.
Wear recommended personal protective equipment.
## 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**

No data available.

**6.1.2. For emergency responders**

No data available.

### 6.2 Environmental precautions

Stop leak if safe to do so. Refer to section 8 and 13.

### 6.3 Methods and material for containment and cleaning up

**Methods for cleaning up**

Do not sweep dry as dust clouds or static can be produced. Wet dust with water before sweeping. Dust must be vacuumed up immediately at the place it occurs.

### 6.4 Reference to other sections

Refer to sections 8 and 13.

### 6.5 Hazchem code

Hazchem code Not applicable.

## 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 vacuumed up immediately at the place it occurs.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage condition(s)**

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

### 7.3 Specific end use(s)

No data available.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

The product does not contain any hazardous materials with occupational exposure limits established.

### 8.2 Exposure controls

**Appropriate engineering controls**

Ensure adequate ventilation.

**Hand protection**

Wear protective gloves.

**Eye protection**

Tightly fitting safety goggles.

**Skin and body protection**

Long sleeved protective clothing.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Other information**

Handle in accordance with good industrial hygiene and safety procedures.
Mineral fibres according Note Q
SAFETY DATA SHEET

According to Globally Harmonized System of Classification and Labelling of Chemicals (GHS), UNECE 2003 as amended.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Physical state Solid.
Appearance Fibres.
Colour Grey-green; off-white.
Odour No data available.
Odour threshold No data available.
pH 7–8.
Melting point > 1000 °C.
Solidification point No data available.
Boiling point No data available.
Flash point Not applicable.
Relat. evap. rate comp. to butylacetate No data available.
Flammability (solid, gas) Not flammable.
Explosive limits Not explosive.
Vapour pressure No data available.
Relative vapour density at 20 °C No data available.
Relative density 2.6 g/cm³.
Solubility Water: Insoluble in water.
Log Pow No data available.
Self ignition temperature No data available.
Decomposition temperature No data available.
Viscosity, kinematic No data available.
Viscosity, dynamic No data available.
Explosive properties Not explosive.
Oxidising properties Not applicable.

9.2 Other information
No data available.

10 STABILITY AND REACTIVITY

10.1 Reactivity
Hazardous polymerisation does not occur.

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
None under normal conditions.

10.4 Conditions to avoid
None known.

10.5 Incompatible materials
Strong acids, bases.

10.6 Hazardous decomposition products
Decomposition products: Carbon monoxide. Carbon dioxide (CO2). Carbon particles. Water. Trace gases (e.g. nitrogen dioxide, sulphur dioxide).
Mineral fibres according Note Q
SAFETY DATA SHEET

According to Globally Harmonized System of Classification and Labelling of Chemicals (GHS), UNECE 2003 as amended.

11 TOXICOLOGICAL INFORMATION

Acute toxicity
Not classified. No acute toxicity even at high doses.

Irritation

Corrosivity

Sensitisation
Not classified

Repeated dose toxicity
Not classified

Carcinogenicity
Not classified
This product has been tested in long-term animal carcinogenicity studies [inhalation and intraperitoneal injection (i.p)] with no significant increase in lung tumours or abdominal tumours. Short-term bio persistent (inhalation and intratracheal injection) studies have shown that the fibres disappear very rapidly from the lung. Studies in humans have found no significant evidence of non-malignant lung disease (e.g. fibrosis).

Mutagenicity
Not classified.

Reproductive toxicity
Not classified.

12 ECOLOGICAL INFORMATION

12.1 Toxicity
Ecology – general
This product is not hazardous.

12.2 Persistence and degradability
Mineral fibres according Note Q (287922–11–6)
Persistence and degradability
Product is not easily biodegradable.

12.3 Bioaccumulative potential
Mineral fibres according Note Q (287922–11–6)
Bioaccumulative Potential
Low bioaccumulation potential.

12.4 Mobility in soil
Mineral fibres according Note Q (287922–11–6)
Ecology – soil
No information available.

12.5 Results of PBT and vPvB assessment
Mineral fibres according Note Q (287922–11–6)
Results of PBT assessment
This information is not available.

12.6 Other adverse effects
Other adverse effects
No information available.
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 recycle, recovery or waste in accordance with local regulation.

14 TRANSPORT INFORMATION

Not a dangerous good in sense of transport regulations.

15 REGULATORY INFORMATION

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

15.1.1 International–Regulations Not regulated as dangerous goods.
15.1.2 National regulations No data available.

16 OTHER INFORMATION

Sources of Key data SDS – Safety Data Sheet.

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.