

Mineral fibres according Note Q

SAFETY DATA SHEET



Part of the ROCKWOOL Group

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

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. 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

Lapinus ROCKWOOL B.V. Industrieweg 15 6045 JG Roermond The Netherlands Tel. +31 475 353 555 Fax. +31 475 353 677 ra@lapinus.com	P.O. Box 1160 6040 KD Roermond
--	-----------------------------------

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.

Mineral fibres according Note Q

SAFETY DATA SHEET



Part of the ROCKWOOL Group

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

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Name	Product identifier	%	Classification according to GHS
Synthetic vitreous (silicate) fibres, note Q	(CAS No.) 287922-11-6; 1010446-98-6; 65997-17-3	95-100	Not classified

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 (CO ₂), 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.
--	---

Mineral fibres according Note Q

SAFETY DATA SHEET



Part of the ROCKWOOL Group

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

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



Part of the ROCKWOOL Group

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. evapor. 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/cm ³ .
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



Part of the ROCKWOOL Group

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	Not classified. pH: 7-8.
Corrosivity	Not classified. pH: 7-8.
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.

Mineral fibres according Note Q

SAFETY DATA SHEET



Part of the ROCKWOOL Group

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

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.

Abbreviations and acronyms

ACGIH (American Conference of Government Industrial Hygienists). ASTM – American Society for Testing and Materials . CAS – Chemical Abstracts Service. CAS (Chemical Abstracts Service) number. CLP – Classification, Labelling and Packaging. CSR – Chemical Safety Report. DIN – Deutsches Institut für Normung eV (German Institute for Standardization). EC – European Community. EEC – European Economic Community. FRP: fiberglass-reinforced plastics. GESTIS: Gefahrstoffdaten banken (Database on hazardous substances). GHS – Globally Harmonised System. GPPS: general purpose polystyrenes. HCS – Hazard Communication Standard. HIPS: high impact polystyrenes. HMIS – Hazardous Materials Identification System. IARC (International Agency for Research on Cancer). MSDS – Material Safety Data Sheet. Occupational Safety and Health Administration (OSHA) : OSHA – Occupational Safety and Health Administration. Overland transport (ADR). PVA (Polyvinyl alcohol). PVC (Polyvinyl chloride). REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals. UP: Unsaturated polyester. SDS – Safety Data Sheet . VCI – volatile corrosion inhibitor. VE: epoxy vinyl ester.

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.