

## Safety Information Sheet

Version 01  
 Date of Issue 13 Dec 2017  
 Date of First Issue 23 May 2017

### Section 1: Identification

<b>Product identifier used on the label</b>	Engineered Stone Fibre
<b>Other means of identification</b>	Roxul®1000, Rockbrake®, Rockseal®, Rockforce®, CoatForce®, Lapinus®, RIF41001, RIF48003, ROCKWOOL®
<b>Recommended use of the chemical and restrictions on use</b>	
Recommended use	Reinforcement in composites
Restrictions on use	Anything other than the above.
<b>Details of the supplier of the safety data sheet</b>	
Supplier	Lapinus
Address of Supplier	ROCKWOOL B.V. Delfstoffenweg 2 6045 JH Roermond P.O. Box 1160 6040 KD Roermond The Netherlands
Telephone	+31 475 353 555
Fax	+31 475 353 677
E-Mail (competent person)	ra@lapinus.com
<b>Emergency telephone number</b>	+31 475 353 555 (0900 – 1700 GMT)
Languages spoken	English

### Section 2: Hazard(s) identification

<b>Classification of the substance or mixture in accordance with paragraph (d) of 29 CFR 1910.1200</b>	
Physical hazards	Not classified
Health hazards	Not classified
Environmental hazards	Not classified
Hazard Symbol	None assigned.
Signal Word(s)	None assigned.
Hazard Statement(s)	None assigned.
Precautionary Statement(s)	None assigned.

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### Other hazards

Handling of this material may generate a dust which can cause mechanical irritation of the eyes, skin nose and throat.

**Percent of the mixture consists of ingredient(s) of unknown acute toxicity:** 0%

## Section 3: Composition/information on ingredients

**Substances** Not applicable

**Mixtures** Substances in preparations / mixtures

Chemical identity of the substance	%W/W	CAS No.	EC No.	Hazard classification
Earth-alkali aluminasilicate fibre	98 - 100	65997-17-3*	266-046-0	Not classified - According to Note Q See Section: 11

\* Generic CAS No. 65997-17-3, Specific CAS No. 287922-11-6, Specific CAS No. 1010446-98-6. See Section 16 for details.

This product does not contain crystalline silica.

## Section 4: First aid measures



### Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash with plenty of water. If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.

Ingestion

Do not induce vomiting wash out mouth with water. If symptoms occur obtain medical attention.

**Most important symptoms and effects, both acute and delayed**

Handling of this material may generate a dust which can cause mechanical irritation of the eyes, skin nose and throat.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically

## Section 5: Fire-fighting measures

### Extinguishing media

Suitable Extinguishing Media

Non-combustible. Does not support combustion. Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions. Foam, water spray or fog.

Unsuitable extinguishing Media

Do not use water jet. Direct water jet may spread the fire.

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**Special hazards arising from the substance or mixture**  
**Special protective equipment and precautions for fire fighters**

None known.

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

### Section 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Wear suitable protective clothing. Handling of this material may generate a dust which can cause mechanical irritation of the eyes, skin nose and throat. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Take off contaminated clothing and wash it before reuse.

**Methods and material for containment and cleaning up**

Stop leak if safe to do so. Use vacuum equipment for collecting spilt materials, where practicable. Damp down to avoid dust generation. Transfer to a lidded container for disposal or recovery. Avoid dust generation. Respiratory protection is not necessary if room is well ventilated.

### Section 7: Handling and storage

**Precautions for safe handling**

Unpack material at application site to avoid unnecessary handling of product. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash hands thoroughly after handling. Ensure suitable personal protection during removal of spillages. Good hygiene practices and housekeeping measures. Keep good industrial hygiene. Do not eat, drink or smoke at the work place.

**Conditions for safe storage, including any incompatibilities**

Keep only in the original container/package in a cool well-ventilated place. Keep away from food, drinks and animal food. Keep container tightly closed.

Storage temperature  
 Incompatible materials

Store at room temperature.  
 Avoid contact with moisture. Keep away from: Humidity

### Section 8: Exposure controls/personal protection

**Occupational Exposure Limits**

No Occupational Exposure Limit assigned.  
 No OSHA permissible exposure limit (PEL).  
 No American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV)

**Biological exposure indices**

Not established

**Appropriate engineering controls**

Ensure adequate ventilation. Good hygiene practices and housekeeping measures. Keep container tightly closed and dry. Store in a cool/low-temperature, well-ventilated (dry) place.

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### Individual protection measures, such as personal protective equipment (PPE)

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Ensure adequate ventilation. Keep good industrial hygiene. Contaminated clothing should be thoroughly cleaned. Handling of this material may generate a dust which can cause mechanical irritation of the eyes, skin nose and throat.

Eye/face protection



Eye Protection: Not normally required.  
 Recommended: Wear eye protection with side protection.

Skin protection



**Hand protection:**  
 Impervious gloves. Gloves should be changed if excessive exposure has occurred.

Respiratory protection



**Body protection:**  
 Wear suitable coveralls to prevent exposure to the skin.

In case of insufficient ventilation, wear suitable respiratory equipment. A suitable dust mask or dust respirator with filter type A/P may be appropriate.

## Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Grey / Green / Off-white Solid Fibres
Odor	Not established.
Odor Threshold	Not established.
pH	7 - 8
Melting Point/Freezing Point	> 1000 °C
Initial boiling point and boiling range	Not established.
Flash Point	Not applicable.
Evaporation Rate	Not established.
Flammability (solid, gas)	Not flammable.
Upper/lower flammability or explosive limits	Not explosive.
Vapour pressure	Not established.
Vapour density	Not established.
Relative density	2.7 – 2.8 g/cm <sup>3</sup>
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not established.
Auto-ignition temperature	Not established.
Decomposition Temperature	Not established.
Viscosity	Not applicable

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### Section 10: Stability and reactivity

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable under normal conditions. Hazardous polymerisation will not occur.
<b>Possibility of hazardous reactions</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	Keep away from acids and alkalis.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition product(s)</b>	Carbon monoxide, Carbon dioxide

### Section 11: Toxicological information

#### Information on toxicological effects (Substances in preparations / mixtures)

##### Acute toxicity

Ingestion	Based on available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw/day
Inhalation	Based on available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >20 mg/l
Skin Contact	Based on available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw/day
<b>Skin corrosion/irritation</b>	Based upon the available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	Based upon the available data, the classification criteria are not met.
<b>Respiratory or skin sensitization</b>	Based upon the available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based upon the available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based upon the available data, the classification criteria are not met. Fibrous Glass Dust: IARC Classification: Group 3. Not classifiable as to its carcinogenicity to humans.

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	<p>EU regulations: Note Q          Data shows that the classification as a carcinogen need not apply if it can be shown that the substance fulfils one of the following conditions:          — a short term biopersistence test by inhalation has shown that the fibres longer than 20 µm have a weighted half-life less than 10 days; or          — a short term biopersistence test by intratracheal instillation has shown that the fibres longer than 20 µm have a weighted half-life less than 40 days; or          — an appropriate intra-peritoneal test has shown no evidence of excess carcinogenicity; or          — absence of relevant pathogenicity or neoplastic changes in a suitable long term inhalation test.          Based upon the available data, the classification criteria are not met.</p>
<b>Reproductive toxicity</b>	
<b>STOT - single exposure</b>	Based upon the available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Based upon the available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based upon the available data, the classification criteria are not met.
<b>Information on likely routes of exposure</b>	
Inhalation	Possible – accidental exposure
Ingestion	Unlikely – accidental exposure
Skin Contact	Possible – accidental exposure
Eye Contact	Unlikely – accidental exposure
<b>Early onset symptoms related to exposure</b>	None known.
<b>Delayed health effects from exposure</b>	Handling of this material may generate a dust which can cause mechanical irritation of the eyes, skin nose and throat.
<b>Other information</b>	
NTP Report on Carcinogens	No
IARC Monographs	No
OSHA Designated Carcinogen	No

## Section 12: Ecological information

<b>Ecotoxicity</b>	Based upon the available data, the classification criteria are not met.
<b>Persistence and degradability</b>	Not readily biodegradable.
<b>Bioaccumulative potential</b>	Low bioaccumulation potential.
<b>Mobility in soil</b>	The product is predicted to have low mobility in soil. Insoluble in water.
<b>Other adverse effects</b>	None known.

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### Section 13: Disposal considerations

#### Waste treatment methods

Dispose of waste according to applicable legislation. Do not discharge into drains or the environment, dispose to an authorised waste collection point. Dispose of waste cans and containers according to local regulations.

### Section 14: Transport information

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA/ICAO</b>
<b>UN number</b>	Not classified.	Not classified.	Not classified.
<b>UN proper shipping name</b>	Not classified.	Not classified.	Not classified.
<b>Transport hazard class(es)</b>	Not classified.	Not classified.	Not classified.
<b>Packing group</b>	Not classified.	Not classified.	Not classified.
<b>Environmental hazards</b>	Not classified.	Not classified.	Not classified.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.		
<b>Special precautions for user</b>	See Section: 2		

### Section 15: Regulatory information

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

##### US Federal Regulations

TSCA (Toxic Substance Control Act) Listed

##### US State Regulations

Proposition 65 (California) Not listed

### Section 16: Other information

**The following sections contain revisions or new statements:** Not applicable – V1.0

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Existing Safety Data Sheet (SDS). Existing ECHA registration for Glass, oxide, chemicals (CAS No. 65997-17-3)

The substance/mixture is not classified in accordance with OSHA HCS (29 CFR 1910.1200)

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 1010446-98-6 and can be tracked in the CAS Registry System only.

OSHA HCS (29 CFR 1910.1200) requires SDS only for hazardous substances and mixtures / preparations. The Note Q fibre has been defined as non-hazardous. The Safety Information Sheet has been made up to the rules in OSHA HCS (29 CFR 1910.1200) to be as informative as possible.

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### Legend

ACGIH: American Conference of Governmental Industrial Hygienists	REL: Recommended exposure limit
IARC: International Agency for Research on Cancer	STEL: Short Term Exposure Limit
NIOSH: National Institute of Occupational Safety and Health	TLV: Threshold Limit value
NTP: National Toxicology Program	TWA: Time Weighted Average
OSHA: The Occupational Safety & Health Administration	TSCA: Toxic Substance Control Act
PBT: Persistent, Bioaccumulative and Toxic	vPvB: very Persistent and very Bioaccumulative
PEL: Permissible exposure limit	

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

### Disclaimers

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