

# Safety Information Sheet

Version: 1.1

Date of Issue: 23<sup>th</sup> December 2020



JIS Z 7253: 2019 requires SDS only for hazardous substances and mixtures / preparations. The Mineral fibre according Note Q has been defined as non-hazardous. The Safety Information Sheet has been made up to the rules in JIS Z 7253: 2019 to be as informative as possible.

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier used on the label

Product Name Mineral Fibres according Note Q  
Alternative names Roxul®1000, Rockbrake®, Rockseal®, Rockforce®, CoatForce®, Lapinus®, RIF41001, RIF48003, ROCKWOOL®

### Recommended use of the chemical and restrictions on use

Recommended use Additive in composites  
Restrictions on use No Restrictions on use

### Details of the supplier of the safety data sheet

Supplier's details Lapinus (ROCKWOOL B.V.)  
Address of Supplier Lapinus  
ROCKWOOL B.V.  
Delfstoffenweg 2  
6045 JG Roermond  
Netherlands  
Telephone +31 475 353 555  
E-Mail (competent person) [ra@lapinus.com](mailto:ra@lapinus.com)  
Lapinus  
ROCKWOOL B.V.  
P.O. Box 1160  
6040 KD Roermond  
Netherlands

### Emergency telephone number

Emergency Phone No. +31 475 353 555 Monday to Friday, 09:00 – 17:00 (GMT)  
Languages spoken English

## SECTION 2: HAZARDS IDENTIFICATION

### Identification of the hazards

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

### GHS Classification JIS Z 7252: 2014

Physical hazards Not classified as dangerous for supply/use.  
Health hazards Not classified  
Environmental hazards Not classified

### Label elements

Hazard Pictogram(s) None assigned.  
Signal Word(s) None assigned.  
Hazard Statement(s) Not applicable  
Precautionary Statement(s) None assigned.

### Other hazards

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

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances - Not applicable

### Mixtures

Chemical identity of the substance	%W/W	CAS No.	CSCG Official Gazette notice number <sup>^</sup>	Hazard classification
Man-made vitreous (silicate) fibres (MMVF) with random orientation with alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content greater than 18 % by weight]	98-100	65997-17-3*	None assigned	Not classified - According to Note Q

\* 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. <sup>^</sup>Chemical Substances Control Law

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## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Self-protection of the first aider

Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid breathing dust. Avoid contact with skin, eyes or clothing.

Inhalation

IF INHALED: 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

IF ON SKIN (or hair): Wash with plenty of water. If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact

IF IN EYES: 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

IF SWALLOWED: 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.

**Special hazards arising from the substance or mixture**

None known.

**Special protective equipment and precautions for fire fighters**

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. In case of inadequate ventilation wear respiratory protection.

**Environmental precautions**

Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.

**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**

Ensure operatives are trained to minimise exposures. Ensure adequate ventilation. Avoid breathing dust. Avoid contact with skin, eyes or clothing. 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.

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## Conditions for safe storage, including any incompatibilities

Storage temperature  
Incompatible materials

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.

Store at room temperature.

Avoid contact with moisture. Keep away from: Humidity

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

Substance	CAS No.	OEL		Note
		ppm	mg/m3	
Man made mineral fibres	-	-	1	JSOH, 2003

Source: WEL Recommendation of Occupational Exposure Limits (2017 - 2018), J Occup Health 2017; 59: 436-469

職業暴露限界の勧告 (2017年~2018年)、J Occup Health 2017年; 59: 436-469

### Biological limit value

Not established.

### Exposure controls

#### 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.

### 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. Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

### Eye/face protection



Eye Protection: Not normally required.

Recommended: Wear eye protection with side protection (EN166).

### Skin protection



#### Hand protection:

Wear impervious gloves (EN374). Gloves should be changed if excessive exposure has occurred.

#### Body protection:

Wear suitable coveralls to prevent exposure to the skin. Wear work clothes with long sleeves.

### Respiratory protection



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

### Special precautions for hazards arising from specific conditions

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

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Solid Grey / Green Fibres
Odour	Not established
Odour Threshold	Not established
pH	7 - 8
Melting Point/Freezing Point	> 1000 °C
Initial boiling point and boiling range	Not established

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Flash point	Not applicable
Evaporation Rate	Not established
Flammability (solid, gas)	Not flammable
Upper/lower flammability or explosive limits	Not established
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
Explosive properties	Not explosive
Oxidising properties	Not oxidising

## SECTION 10: STABILITY AND REACTIVITY

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

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Information on toxicological effects</b>	
<b>Acute toxicity - Ingestion</b>	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 2000 mg/kg bw/day.
<b>Acute toxicity - Inhalation</b>	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 >20.0 mg/l.
<b>Acute toxicity - Skin Contact</b>	Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 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. IARC Classification: Group 3. Not classifiable as to its carcinogenicity to humans.
	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.
<b>Reproductive toxicity</b>	Based upon the available data, the classification criteria are not met.
<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.

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**Aspiration hazard**

Based upon the available data, the classification criteria are not met.

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity**

Based upon the available data, the classification criteria are not met.

**Persistence and degradability**

Not readily biodegradable.

**Bioaccumulative potential**

Low bioaccumulation potential.

**Mobility in soil**

The product is predicted to have low mobility in soil. Insoluble in water.

**Harmful effects to the ozone layer**

**Other adverse effects**

None known.

## 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/CAO</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>Special precautions for user</b>	See Section: 2		
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable		

## SECTION 15: REGULATORY INFORMATION

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

**National regulations**

Not listed

**Non-Regional**

Not classifiable as to its carcinogenicity to humans

## SECTION 16: OTHER INFORMATION

**The following sections contain revisions or new statements:** Not applicable – V1.1

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### References:

Existing Safety Data Sheet (SDS).

EU: Existing ECHA registration(s) for Glass, oxide, chemicals (CAS No. 65997-17-3).

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.

This safety data sheet was compiled in accordance with the Japanese Industrial Standard JIS Z 7252:2014 and JIS Z 7253:2019.

### LEGEND

LTEL: Long Term Exposure Limit

STEL: Short Term Exposure Limit

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

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PBT: PBT: Persistent, Bioaccumulative and Toxic  
IARC: International Agency for Research on Cancer  
TLV: Threshold Limit Value (ACGIH)  
EU: European Union

vPvB: very Persistent and very Bioaccumulative  
BEI: Biological Exposure Indices (ACGIH)  
TWA: Time Weighted Average

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

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Lapinus (Rockwool B.V.) gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Lapinus (Rockwool B.V.) accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.