

# Safety Information Sheet

Version 2.0  
Date of Issue 17<sup>th</sup> June 2019  
Date of First Issue 17<sup>th</sup> June 2019  
SDS Code: Lapinus062019



GB 13690-2009 requires SDS only for hazardous substances and mixtures / preparations. The Secondary coated fibres has been defined as non-hazardous. The Safety Information Sheet has been made up to the rules in GB/T 16483-2008 to be as informative as possible.

## SECTION 1: Chemical product and company identification

### Product identifier

Product Name Mineral Fibres according Note Q

### Recommended use and restrictions

Identified uses Additive in composites  
Uses Advised Against No Uses advised against

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

Name of Supplier	Lapinus	Lapinus
Address of Supplier	ROCKWOOL B.V Delfstoffenweg 2 6045 JG Roermond Netherlands	ROCKWOOL B.V P.O. Box 1160 6040 KD Roermond Netherlands
Telephone	+31 475 353 555	
E-mail	<a href="mailto:ra@lapinus.com">ra@lapinus.com</a>	

### Emergency telephone number

Emergency Phone No. +31 475 353 555 Monday to Friday, 09:00 – 17:00 (GMT +1)

## SECTION 2: Hazard overview

### Emergency overview

Solid Grey / Green Fibres, Not flammable. Not classified as hazardous for supply. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling.

**Classification of the substance or mixture**  
**In accordance with: GB 13690-2009 and GB 30000-2013** Not classified as dangerous for supply/use.

### Label elements

Product Name Mineral according to Note Q

Hazard Pictogram(s) None assigned.

Signal Word(s) None assigned.

Hazard Statement(s) None assigned.

Precautionary Statement(s) None assigned.

Prevention None assigned.

Response None assigned.

Storage None assigned.

Disposal None assigned.

### Other hazards

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

### Main Symptoms

None anticipated

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances Not applicable

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## Mixtures Substances in preparations / mixtures

GHS Classification GB 30000-2013

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
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*	926-099-9	01-2119472313-44	Not classified - According to Note Q

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

^ See Section: 11

This product does not contain crystalline silica

## 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: FIREFIGHTING 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.

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## 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.

### Conditions for safe storage, including any incompatibilities

Storage temperature  
 Storage life  
 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.

Stable at ambient temperatures.

Avoid contact with moisture. Keep away from: Humidity

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

SUBSTANCE	CAS No.	OELs mg/m <sup>3</sup>			Note
		MAC	PC-TWA	PC-STEL	
Man-made vitreous fiber (人造玻璃质纤维)	-	-	3	-	-

Source: GBZ 2.1-2007

### 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.

### 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.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Solid Grey / Green Fibres
Odour	Not established
pH (Concentration)	Not established
Melting Point/Freezing Point	7 - 8
Initial boiling point and boiling range (°C)	> 1000 °C
Flash Point (°C)	Not applicable
Upper/lower flammability or explosive limits	Not established
Vapour Pressure (mm Hg)	Not established
Vapour Density (Air=1)	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 Point (°C)	Not established
Decomposition Temperature (°C)	Not established

### Additional properties

Viscosity (mPa. s)	Not applicable
Evaporation Rate	Not established
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

### Information on toxicological effects

<b>Acute toxicity - Ingestion</b>	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >5,000 mg/kg.
<b>Acute toxicity - Inhalation</b>	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) > 5 mg/l (Dust.)
<b>Acute toxicity - Skin Contact</b>	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >5,000 mg/kg.
<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:

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— 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.

**Reproductive toxicity**  
**STOT - single exposure**  
**STOT - repeated exposure**  
**Aspiration hazard**

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

**Other information**

None known.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

Based on available data, the classification criteria are not met.  
Estimated LC50 (Mixture): >100 mg/l.

Glass, oxide, chemicals

Not classified

### Persistence and degradability

LC50 (fish) mg/l: >1000 (OECD Guideline 201)

Glass, oxide, chemicals

No data for the mixture as a whole.

### Bioaccumulative potential

Not biodegradable

Glass, oxide, chemicals

No data for the mixture as a whole.

### Mobility in soil

No data

Glass, oxide, chemicals

No data for the mixture as a whole.

### Other adverse effects

Inorganic and Insoluble in water.

The substance is predicted to have low mobility in soil.

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.

### Packaging waste

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>Special precautions for user</b>	See Section: 2		
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable		

## SECTION 15: REGULATORY INFORMATION

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

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## National regulations

Catalogue of Hazardous Chemicals  
Catalogue of Toxic Chemicals Restricted to be Imported/Exported  
Catalogue of Prohibited Chemicals  
List of Priority Chemicals for Prevention and Control  
Inventory of Existing Chemical Substances in China (IECSC)

All chemicals are not listed  
All chemicals are not listed  
All chemicals are not listed  
All chemicals are not listed  
All chemicals are not listed  
Glass, oxide, chemicals - Listed 2013  
Fatty acids, tall-oil, reaction products with 2-[(2-aminoethyl)amino]ethanol - Listed 2013  
Isotridecanol, ethoxylated- Listed 2013  
1,2- benzisothiazol-3(2H)-one- Listed 2013

## SECTION 16: OTHER INFORMATION

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

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### References:

Existing Safety Data Sheet (SDS), 危险化学品目录 (2015 版) EU: Existing ECHA registration for silicon(4+) dialuminium(3+) calcium magnesium(2+) heptaoxidandiide (EC No. 926-099-9)

**Classification of the substance or mixture according to GHS**  
**Classification GB 30000-2013**

**Classification Procedure**  
Self classification

Not classified

### LEGEND

ADR/RID	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road / RID: Regulations concerning the international railway transport of dangerous goods
BCF	Bioconcentration factor (BCF)
CAS	CAS: Chemical Abstracts Service
DNEL	Derived No Effect Level
EC	EC: European Community
EU	European Union
IATA	IATA: International Air Transport Association
ICAO/IATA	ICAO: International Civil Aviation Organization / IATA: International Air Transport Association
IMDG	IMDG: International Maritime Dangerous Goods
LTEL	Long Term Exposure Limit
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
STEL	Short Term Exposure Limit
UN	United Nations
vPvB	vPvT: very Persistent and very Toxic
ADR/RID	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road / RID: Regulations concerning the international railway transport of dangerous goods
BCF	Bioconcentration factor (BCF)
CAS	CAS: Chemical Abstracts Service
DNEL	Derived No Effect Level
EC	EC: European Community
EU	European Union

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.

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