

Safety Information Sheet

Version: 2.0

Date of Issue: 8th July 2019

Date of First Issue: 7th March 2018



Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, 2011) 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 Safe Work Australia, 2011 to be as informative as possible.

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

Product identifier used on the label	Mineral Fibres according Note Q	
Other means of identification	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	Lapinus (ROCKWOOL B.V.)	
Address of Supplier	Lapinus ROCKWOOL B.V Delfstoffenweg 2 6045 JG Roermond Netherlands +31 475 353 555 ra@lapinus.com	Lapinus ROCKWOOL B.V P.O. Box 1160 6040 KD Roermond Netherlands
Telephone	+31 475 353 555	
E-Mail (competent person)	ra@lapinus.com	
Emergency telephone number		
Emergency Phone No.	+31 475 353 555	Monday to Friday, 09:00 – 17:00 (GMT +1)
Languages spoken	English	

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture		
In accordance with the Safe Work Australia model Work Health and Safety Regulations (2011)	Not classified as dangerous for supply/use.	
Label elements		
Hazard Symbol	None assigned.	
Signal Word(s)	None assigned.	
Hazard Statement(s)	None assigned.	
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	Common names, trade names, synonyms, etc.	CAS No.	EC No.	%W/W
Man-made vitreous (silicate) fibres (MMVF) with random orientation with alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content greater than 18 % by weight]	Roxul®1000, Rockbrake®, Rockseal®, Rockforce®, CoatForce®, LAPINUS®, RIF41001, RIF48003, ROCKWOOL®	65997-17-3*	926-099-9	98 - 100

* 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.

Safety Information Sheet

Version: 2.0

Date of Issue: 8th July 2019

Date of First Issue: 7th March 2018



Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, 2011) 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 Safe Work Australia, 2011 to be as informative as possible.

SECTION 4: FIRST AID MEASURES



Description of first aid measures

First aid facilities

Wear suitable protective clothing. A washing facility/water for eye and skin cleaning purposes should be present. Ensure adequate ventilation.

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.

Advice 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.

Hazchem Code

Not applicable

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

Safety Information Sheet

Version: 2.0

Date of Issue: 8th July 2019

Date of First Issue: 7th March 2018



Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, 2011) 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 Safe Work Australia, 2011 to be as informative as possible.

Conditions for safe storage, including any incompatibilities

Storage temperature
Incompatible materials

removal of spillages. Good hygiene practices and housekeeping measures. Keep good industrial hygiene. Do not eat, drink or smoke at the work place.

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

Control parameters

Occupational Exposure Limits

Chemical Name	Synonym(s)	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Advisory carcinogen category	Other advisory information	Notes
Man-Made Vitreous Fibres [Glass wool, rock (stone) wool, slag wool and continuous glass filament]	Synthetic mineral fibres (SMF)	-	2	-	-	Carc. 2 - Exemptions apply According to Note Q	-	(i), (j), (k), (m), (n), (o)

Source: WORKPLACE EXPOSURE STANDARDS FOR AIRBORNE CONTAMINANTS – Work Safe Australia

Notes:

(i) As described in IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 81, Man-Made Vitreous Fibres, pp. 45-54, 2002, IARC Press, Lyon, France3.

(j) Where almost all the airborne material is fibrous MMVF, an inhalable dust exposure standard of 2 mg/m³ (8 hour TWA) must also be applied to minimise mechanical irritation from largely non-respirable fibre. This inhalable standard is not to take precedence over the respirable fibre standard, where applicable. For those applications where MMVF is combined with other material such that the proportion of respirable fibres is extremely low or is difficult to measure because of the larger portion of non-fibrous MMVF material, it is appropriate to apply the exposure standard for nuisance dusts of 10 mg/m³, measured as inhalable dust (8 hour TWA).

(k) MMVF with random orientation, alkaline oxide and alkali earth oxide (Na₂O+K₂O+CaO+MgO+BaO) content greater than 18% by weight.

(m) Any MMVF which have been tested according to the test protocol Methods for the Determination of the Hazardous Properties for Human Health of Man Made Mineral Fibres April 1999 and Note Q in EC Regulation No. 1272/2008 page 353/335 and found to comply with these tests.

(n) Any MMVF that meet the requirements of Note Q in EC Regulation No. 1272/2008 page 353/335 are exempted from mandatory classification in the European Union as a carcinogen under the Globally Harmonized System for Classification and Labelling of Chemicals (GHS). Note IARC has classified mineral wools (glass wool, rock wool (stone wool), slag wool and continuous glass filament) as IARC Category 3: not classifiable as to carcinogenicity in humans.

(o) Any MMVF that meet the requirements of Note R in Regulation EC No. 1272/2008 page 353/335 are exempted from mandatory classification as a carcinogen under the GHS in the European Union.

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.

Safety Information Sheet

Version: 2.0

Date of Issue: 8th July 2019

Date of First Issue: 7th March 2018



Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, 2011) 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 Safe Work Australia, 2011 to be as informative as possible.



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.

Respiratory protection



Body protection:

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

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

Thermal hazards

Not applicable.

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
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 ³
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not established
Auto-ignition temperature	Not established
Decomposition Temperature	Not established
Viscosity	Not applicable

Additional parameters

None

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity - Ingestion

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

Safety Information Sheet

Version: 2.0

Date of Issue: 8th July 2019

Date of First Issue: 7th March 2018



Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, 2011) 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 Safe Work Australia, 2011 to be as informative as possible.

Acute toxicity - Inhalation

Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 2000 mg/kg bw/day.

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

Acute toxicity - Skin Contact

Acute Toxicity Estimate Mixture Calculation: Estimated LC50 >20.0 mg/l.

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

Skin corrosion/irritation

Acute Toxicity Estimate Mixture Calculation: Estimated LC50 > 2000 mg/kg bw/day.

Serious eye damage/irritation

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

Respiratory or skin sensitization

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

Germ cell mutagenicity

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

Carcinogenicity

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.

Reproductive toxicity

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

STOT - single exposure

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

STOT - repeated exposure

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

Aspiration hazard

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

Information on likely routes of exposure

Inhalation

Possible – accidental exposure

Ingestion

Possible – accidental exposure

Skin Contact

Possible – accidental exposure

Eye Contact

Unlikely – accidental exposure

Early onset symptoms related to exposure

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

Delayed health effects from exposure

None known.

Exposure levels and health effects

See Section: 8

Interactive effects

None known

Other information

NTP Report on Carcinogens

Note Q fibres (Specific CAS. 287922-11-6)

IARC Monographs

Note Q fibres - IARC Classification: Group 3.

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.

Safety Information Sheet

Version: 2.0

Date of Issue: 8th July 2019

Date of First Issue: 7th March 2018



Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, 2011) 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 Safe Work Australia, 2011 to be as informative as possible.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Safe handling and disposal methods

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

Disposal of contaminated packaging

Dispose of waste cans and containers according to local regulations.

Environmental regulations

Presents no hazard to the environment.

SECTION 14: TRANSPORT INFORMATION

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

	ADR/RID	IMDG	IATA/CAO
UN number	Not classified	Not classified	Not classified
UN proper shipping name	Not classified	Not classified	Not classified
Transport hazard class(es)	Not classified	Not classified	Not classified
Packing group	Not classified	Not classified	Not classified
Environmental hazards	Not classified	Not classified	Not classified
Special precautions for user	See Section: 2		
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable		
Hazchem Code	Not applicable		

SECTION 15: REGULATORY INFORMATION

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

National regulations

Not listed

Non-Regional

Note Q fibres - IARC Classification: Group 3.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: V2.0

Sections indicated with the following have been revised

Date of First Issue: 7th March 2018

Date of Issue: 8th July 2019

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.

The substance/mixture is not classified in accordance with Safe Work Australia model Work Health and Safety Regulations (2011)

LEGEND

LTEL: Long Term Exposure Limit

DNEL: Derived No Effect Level

PBT: PBT: Persistent, Bioaccumulative and Toxic

IARC: International Agency for Research on Cancer

TLV: Threshold Limit Value (ACGIH)

EU: European Union

STEL: Short Term Exposure Limit

PNEC: Predicted No Effect Concentration

vPvB: very Persistent and very Bioaccumulative

BEI: Biological Exposure Indices (ACGIH)

TWA: Time Weighted Average

Safety Information Sheet

Version: 2.0

Date of Issue: 8th July 2019

Date of First Issue: 7th March 2018



Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, 2011) 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 Safe Work Australia, 2011 to be as informative as possible.

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.