

Safety Information Sheet



Version: 2.1

Date of Issue: 30 June 2022

Date of First Issue: 23 May 2017

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

OSHA HCS (29 CFR 1910.1200) Appendices A and B 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 OSHA HCS 1910. 1200 to be as informative as possible.

SECTION 1: IDENTIFICATION

Product identifier

Product Name Mineral Fibres according Note Q

Other Means of Identification

Roxul®1000, Rockbrake®, Rockseal®, Rockforce®, CoatForce®, Lapinus®, RIF41001, RIF48003, ROCKWOOL®

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Additive in composites
Uses Advised Against No Uses advised against

Details of the supplier of the safety data sheet

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		
E-Mail (competent person)		

Emergency telephone number

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

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the substance or mixture in accordance with paragraph (d) of 29 CFR 1910.1200

Physical hazards	Not classified
Health hazards	Not classified
Environmental hazards	Not classified

Label elements

Hazard Pictogram(s)	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.

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

0% of the mixture consists of ingredients of unknown acute inhaled toxicity.
0% of the mixture consists of ingredients of unknown acute oral toxicity.
0% of the mixture consists of ingredients of unknown acute dermal toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not applicable

Mixtures Substances in preparations / mixtures

Classification: OSHA HCS (29 CFR 1910.1200)

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Chemical identity of the substance	%W/W	CAS No.	EC No.	Hazard classification
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]	98-100	Roxul®1000, Rockbrake®, Rockseal®, Rockforce®, CoatForce®, LAPINUS®, RIF41001, RIF48003, ROCKWOOL®	65997-17-3*	Not classified - According to Note Q (EU)

* 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

Self-protection of the first aider
Inhalation

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

Skin Contact

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.

Eye Contact

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

Ingestion

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.

Most important symptoms and effects, both acute and delayed

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

Indication of any immediate medical attention and special treatment needed

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

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.

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

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Methods and material for containment and cleaning up

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.

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
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.	mppcf	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	Note
Inert or Nuisance Dust	-	15	-	15	OSHA (total)
		50	-	5	OSHA (respirable)
		-	-	5	NIOSH (total)

Source: OSHA Permissible Exposure Limit (PEL): Occupational Safety and Health Standards, 1910.1000 TABLE Z-3

NIOSH: National Institute for Occupational Safety and Health (NIOSH) Recommended exposure limits (RELs)

ACGIH: American Conference of Governmental Industrial Hygienists - Threshold limit values (TLV) 2021

NIOSH: National Institute for Occupational Safety and Health (NIOSH) Recommended exposure limits (RELs)

Notes:

Mppcf: Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques.

Conversion factors - mppcf X 35.3 = million particles per cubic meter = particles per c.c.

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.

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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



Use eye protection according to EN 166, designed to protect against liquid splashes.

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Solid grey or green 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 established
Evaporation Rate	Not established
Flammability (solid, gas)	Not established
Upper/lower flammability or explosive limits	Not established
Vapour pressure	Not established
Vapour density	Not established
Relative density	2.7 – 2.8
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not established
Auto-ignition temperature	Not established
Decomposition Temperature	Not established
Viscosity	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	None anticipated. Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. Hazardous polymerisation will not occur.
Conditions to avoid	Keep away from fire, sparks and heated surfaces. Take precautionary measures against static discharge.
Incompatible materials	None known.

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Hazardous decomposition product(s)

Carbon monoxide, Carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity - Ingestion

Mixture: Based upon the available data, the classification criteria are not met.
Calculated acute toxicity estimate (ATE) >2,000 mg/kg.

Acute toxicity - Skin Contact

Mixture: Based upon the available data, the classification criteria are not met.
Calculated acute toxicity estimate (ATE) >2,000 mg/kg.

Acute toxicity - Inhalation

Mixture: Based upon the available data, the classification criteria are not met.
Calculated acute toxicity estimate (ATE) > 5 mg/l

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory or skin sensitization

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

Germ cell mutagenicity

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

Carcinogenicity

IARC Classification: Group 3. Not classifiable as to its carcinogenicity to humans.

Note Q Regulations (EU)

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

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

STOT - single exposure

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

STOT - repeated exposure

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

Aspiration hazard

Mixture: 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

OSHA Designated Carcinogen

Not listed

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NIOSH Occupational Carcinogen List
NTP Report on Carcinogens
IARC Monographs

Not listed
Note Q fibres (Specific CAS. 287922-11-6)
Note Q fibres - IARC Classification: Group 3.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	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.
Other adverse effects	Not classified as PBT or vPvB. 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.
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SECTION 14: TRANSPORT INFORMATION

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

	Road/Rail (ADR/RID)	Sea transport (IMDG)	Air (ICAO/IATA)
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 as a Marine Pollutant.	Not classified
Special precautions for user	See Section: 2		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable		
Additional Information	None		

SECTION 15: REGULATORY INFORMATION

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

US Federal Regulations

TSCA Chemical Data Reporting (CDR) Rule Note Q Fibres (Subject to 25,000lb reporting threshold)

US State Regulations

None known

Non-Regional

IARC Monographs Note Q fibres - IARC Classification: Group 3.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: V2.1 - New Template

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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.

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

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
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
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
UN	United Nations
vPvB	very Persistent and very Bioaccumulative

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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