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Date of issue 30/06/2022 Date of First Issue 07/03/2018



## ACCORDING TO: CODE OF PRACTICE FOR THE PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS (SAFE WORK AUSTRALIA, 2020) & GHS 7

Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, 2020) requires SDS only for hazardous substances and mixtures / preparations. The Mineral fibres according to Note Q has been defined as non-hazardous. The Safety Information Sheet has been made up to the rules in Safe Work Australia, 2020 to be as informative as possible.

### **SECTION 1: IDENTIFICATION**

1.1 GHS Product identifier

Product name Mineral Fibres according Note Q CAS No. Not applicable - Mixture

Other means of identification Roxul®1000, Rockbrake®, Rockseal®, Rockforce®, CoatForce®,

Lapinus®, RIF41001, RIF48003, ROCKWOOL®

1.2 Recommended use of the chemical and restrictions

on use

Identified Use(s)

Uses advised against

Additive in composites

Anything other than the above.

1.3 Details of the supplier

Company Identification Lapinus Lapinus

ROCKWOOL B.V
Delfstoffenweg 2
P.O. Box 1160
6045 JG Roermond
Netherlands
Netherlands
Netherlands

Telephone +31 475 353 555
E-mail (competent person) ra@lapinus.com

1.4 Emergency Phone No.

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

+1)

Languages spoken English

#### **SECTION 2: HAZARD IDENTIFICATION**

2.1 Classification of the substance or mixture

2.1.1 In accordance with the Safe Work Australia model Not classified

Work Health and Safety Regulations (2020) & GHS 7

2.2 GHS label elements, including precautionary

statements

Product name Mineral Fibres according to Note Q

Hazard Pictogram(s)

None assigned

Signal Word(s) None assigned

Hazard Statement(s)

None assigned

Precautionary Statement(s)

None assigned

2.3 Other hazards which do not result in classification 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**

3.1 Substances - not applicable

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#### 3.2 Mixtures

**GHS Classification** 

Chemical identity of the substance	Common name(s), synonym(s) of the substance	%W/W	CAS No.	EC No.	Hazard classification
Man-made vitreous (silicate)	Glass Oxide,	98 -100	65997-17-3*	926-099-9	Not classified - According to
fibres (MMVF) with random	Roxul®1000,				Note Q^
orientation with alkaline oxide	Rockbrake®,				
and alkali earth oxide	Rockseal®,				
(Na2O+K2O+CaO+MgO+BaO)	Rockforce®,				
content greater than 18 % by	CoatForce®,				
weight]	LAPINUS®,				
	RIF41001,				
	RIF48003,				
	ROCKWOOL®				

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

### **SECTION 4: FIRST AID MEASURES**



#### 4.1 Description of necessary 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. Remove to fresh air immediately. Make victim drink water. Wash hands

before breaks and after work.

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. If irritation occurs, do not rub or scratch, rinse under running

water prior to washing thoroughly with water.

Ingestion IF SWALLOWED: Do not induce vomiting wash out mouth with water. If symptoms

occur obtain medical attention.

4.2 Most important symptoms/effects, acute and delayed Handling of this material may generate a dust which can cause mechanical

irritation of the eyes, skin nose and throat.

4.3 Indication of immediate medical attention and

special treatment needed, if necessary

Treat symptomatically.

#### **SECTION 5: FIREFIGHTING MEASURES**

5.1 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 tog.

Unsuitable extinguishing media Do not use water jet. Direct water jet may spread the fire.

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<sup>^</sup> See Section: 11

This product does not contain crystalline silica

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5.2 Specific hazards arising from the chemical None known.

5.3 Special protective actions 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.

5.4 **Hazchem Code** not applicable

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

6.1 Personal precautions, protective equipment and Wear suitable protective clothing. Handling of this material may generate a dust emergency procedures 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.

6.2 **Environmental precautions** Avoid release to the environment. Do not allow to enter drains, sewers or

watercourses.

6.3 Methods and material for containment and cleaning 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.

Reference to other sections 6.4 See Section: 8,13

#### **SECTION 7: HANDLING AND STORAGE**

7.1 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.

7.2 Conditions for safe storage, including any Keep only in the original container/package in a cool well-ventilated place. Keep

incompatibilities away from food, drinks and animal food. Keep container tightly closed.

Storage temperature Store at room temperature.

Avoid contact with moisture. Keep away from: Humidity Incompatible materials

7.3 Specific end use(s) See Section: 1.2

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters
- 8.1.1 Occupational exposure limits

SUBSTANCE	Synonym s	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STE L (mg/ m³)	Advisory carcinogen category	Other advisory information	NOTE
Man-Made Vitreous Fibres [Glass wool, rock (stone) wool, slag wool and continuous glass filament]	Synthetic mineral fibres (SMF)	-	2 (Inhalable Dust)(j)	-	-	Carc. 2 - Exemptions apply According To Note Q	-	(i), (j), (k), (m), (n), (o)

Source: Safe Work Australia Workplace Exposure Standards for Airbourne Contaminants (2019)

Notes:

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

8.1.2 Biological limit value Not established

8.2 Exposure controls

**8.2.1** Appropriate engineering controls Ensure adequate ventilation Store in a cool/low-temperature, well-ventilated (dry)

place away from heat and ignition sources.

8.2.2 Individual protection measures, such as personal protective equipment

protective equipment

Keep good industrial hygiene. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke at the work place.

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.

splashes.



Skin protection

Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Contaminated

gloves should be carefully rinsed with water before reuse.

inadequate ventilation wear respiratory protection.

Respiratory protection Respiratory protection is not necessary if room is well ventilated. In case of



Thermal hazards Not applicable

**8.2.3** Environmental exposure controls Avoid release to the environment.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES AND SAFETY CHARACTERISTICS

9.1 Basic physical and chemical properties

Physical state Solid fibres

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ColourGrey/ GreenOdourNot establishedMelting point/freezing point> 1000 °CBoiling point or initial boiling point and boiling rangeNot establishedflammabilityNot established

Lower and upper explosion limit/flammability limit

Not established

Not established

Auto-ignition temperature

Not established

Not established

Not established

pH 7 - 8

Kinematic viscosity

Solubility

Not established
Immiscible with water.

Partition coefficient n-octanol/water (log value)
Vapour pressure
Not established
Density and/or relative density
Relative vapour density
Not established
particle characteristics
Not established

9.2 Other information

Explosive properties Not explosive Oxidising properties Not oxidising

#### **SECTION 10: STABILITY AND REACTIVITY**

10.1 Reactivity Stable under normal conditions
 10.2 Chemical stability Stable under normal conditions

10.3 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.

**10.4** Conditions to avoid Keep away from: Acids, Alkalis, humidity

10.5 Incompatible materials Avoid contact with moisture. Keep away from: Humidity

**10.6** Hazardous decomposition products Carbon monoxide, Carbon dioxide

### **SECTION 11: TOXICOLOGICAL INFORMATION**

### 11.1 Information on toxicological effects

**Acute toxicity - Ingestion** 

Acute toxicity - Inhalation

**Acute toxicity - Dermal** 

Skin corrosion/irritation
Serious eye damage/irritation
Respiratory or skin sensitisation

Germ cell mutagenicity Carcinogenicity Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw

Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LC50 >5 mg/l (dust/mist)

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

Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw

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

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

#### 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  $\mu m$  have a

weighted half-life less than 10 days; or

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

Information on likely routes of exposure

InhalationPossible – accidental exposureIngestionPossible – accidental exposureSkin contactPossible – accidental exposureEye contactUnlikely – accidental exposure

Symptoms related to the physical, chemical and toxicological characteristics

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

IATA/ICAO

Delayed and immediate effects and also chronic affects from short and long term exposure

None Known

Numerical measures of toxicity (such as acute

toxicity estimates)

None Known

Interactive effects None Known

11.2 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**

12.1 Toxicity Mixture: Based upon the available data, the classification criteria are not met.
 12.2 Acute Toxicity Mixture: Based upon the available data, the classification criteria are not met.
 12.3 Chronic Toxicity Mixture: Based upon the available data, the classification criteria are not met.

 12.4
 Persistence and degradability
 Not readily biodegradable

 12.5
 Bioaccumulative potential
 Low bioaccumulative potential

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

12.7 Other adverse effects None Known.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

13.1 Disposal methods Disposal should be in accordance with local, state or national legislation.

#### **SECTION 14: TRANSPORT INFORMATION**

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

		ADR/RID/ADG	INDG/ADN	IATA/ICAU
14.1	UN number	None assigned	None assigned	None assigned
14.2	UN proper shipping name	None assigned	None assigned	None assigned
14.3	Transport hazard class(es)	None assigned	None assigned	None assigned

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14.4Packing groupNone assignedNone assignedNone assigned14.5Environmental hazardsNot classifiedNot classified as aNot classified

Marine Pollutant.

**14.6** Special precautions for user See Section: 2

14.7 Transport in bulk according to IMO instruments No information available.

#### SECTION 15: REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations specific for the product in question

15.2 International regulations

Convention / Basel Convention / MARPOL

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

15.3 National regulations

Australian Inventory of Chemical Substances

NICNAS - Priority Existing Chemicals

NICNAS - IMAP Framework

NICNAS - High Volume Industrial Chemical List

National Pollutant Inventory

The Standard for the Uniform Scheduling of Medicines

All chemicals are not listed

and Poisons (SUSMP)

#### **SECTION 16: OTHER INFORMATION**

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

Existing Safety Data Sheet (SDS)

Existing ECHA registration 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.

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#### References:

Existing Safety Data Sheet (SDS)

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

This Safety Data Sheet was prepared in accordance with Code Of Practice For The Preparation Of Safety Data Sheets For Hazardous Chemicals (Safe Work Australia, 2020) & GHS 7

Legend

ADG Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL Derived no effect level

IATA IATA: International Air Transport Association
ICAO ICAO: International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods

LTEL Long term exposure limit

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PBT: Persistent, Bioaccumulative and Toxic

PNEC Predicted No Effect Concentration

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations concerning the international railway transport of dangerous goods

STEL Short term exposure limit

vPvB 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.

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