

Safety Information Sheet



Version 1.2
Date of issue 01/09/2022
Date of First Issue 08/07/2019

ACCORDING TO GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) EIGHTH REVISED EDITION/S.O. 966 (1989)

GHS Revision 8/S.O. 966 (1989) requires SDS only for hazardous substances and mixtures / preparations. The Secondary coated fibres product has been defined as non-hazardous. The Safety Information Sheet has been made up to the rules in GHS Revision 8/ S.O. 966 (1989) to be as informative as possible.

SECTION 1: IDENTIFICATION

1.1 GHS Product Identifier		
Product Name	Secondary coated fibres	
CAS No.	Not applicable - Article	
Other Means of Identification	Roxul®1000, Rockbrake®, Rockseal®, Rockforce®, Lapinus®, RIF41001, RIF48003, ROCKWOOL®, RB210, RB205	
1.2 Recommended use of the chemical and restrictions on use		
Identified Use(s)	Additive in composites	
Uses Advised Against	No uses advised against.	
1.3 Supplier's details		
Company Identification	ROCKWOOL B.V Delfstoffenweg 2 6045 JG Roermond Netherlands	P.O. Box 1160 6040 KD Roermond 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 GHS Classification	Not classified as hazardous for supply/use.	
2.2 GHS label elements, including precautionary statements		
Product Name	Secondary coated fibres	
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**
- 3.2 Mixtures**

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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) 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®, Lapinus®, RIF41001, RIF48003, ROCKWOOL®, RB210, RB205	92 -100	65997-17-3*	926-099-9	Not classified - According to Note Q [^] (EU)

No other components or impurities which will influence the classification of the product

*Generic CAS No. 65997-17-3. Substance 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



4.1 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. Give plenty of water to drink.

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 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.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES

5.1 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.

Suitable Extinguishing media

Do not use water jet. Direct water jet may spread the fire.

Unsuitable extinguishing media

None known.

5.2 Special hazards arising from the substance or mixture

None known.

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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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 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.

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 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.

6.4 Reference to other sections

See Section: 8, 1

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.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature

Storage measures

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.

Keep only in the original container/package in a cool well-ventilated place.

Avoid contact with moisture. Keep away from: Humidity

7.3 Specific end use(s)

See Section: 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Workplace exposure limit (WEL) must not be exceeded. (total respirable , 8-hour time weighted averages.) .The air concentration of inhalable fibres will be under normal working conditions less than 0,5 per cm³.

8.1.1 Occupational Exposure Limits

Refer to member state guidelines and legislation.

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)
Graphite (Natural)	7782-42-5	15	-	-	OSHA (total)
		-	-	2.5	NIOSH (respirable)
		-	-	2 (all forms except fibres)	ACGIH

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

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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.

- 8.1.2 Biological limit value** Not established.
- 8.2 Exposure controls**
- 8.2.1 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.
- 8.2.2 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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Eye/ face protection



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.

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 white or black fibres
Colour	Not established
Odour	Not established
Melting point/freezing point	> 1000 °C
Initial boiling point and boiling range	Not established
Flammability	Not established

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Upper/lower flammability or explosive limits	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not flammable
Decomposition temperature	Not established
pH	Not established
Kinematic viscosity	Not established
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not established
Vapour pressure	Not established
Density and/or relative density	2.6 – 2.7
Vapour Density (Air=1)	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. Not classified as flammable. 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 product(s)	Carbon monoxide, Carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity - Ingestion	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
Acute toxicity - Inhalation	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LC50 >5 mg/l (dust/mist)
Acute toxicity - Dermal	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
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	Mixture: Based upon the available data, the classification criteria are not met. IARC Classification: Group 3. Not classifiable as to its carcinogenicity to humans.
	EU Classification 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

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— 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.
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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

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.

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 **Ecotoxicity** 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
12.6 **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	IMDG/ADN	IATA/ICAO
14.1 UN number	None assigned	None assigned	None assigned
14.2 Proper Shipping Name	None assigned	None assigned	None assigned
14.3 Transport hazard class(es)	None assigned	None assigned	None assigned
14.4 Packing group	None assigned	None assigned	None assigned
14.5 Environmental hazards	Not classified	Not classified as a Marine Pollutant.	Not classified
14.6 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	not applicable		

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SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations specific for the product in question**
- 15.2 International regulations**
Montreal Protocol / Stockholm Convention / Rotterdam Convention / Basel Convention / MARPOL All chemicals are not listed
IARC Monographs Note Q Fibres- IARC Classification: Group 3.
- 15.3 National Regulations** Not restricted

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: V1.1 -Updated version and date

Version 1.1
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References:

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.

This Safety Data Sheet was prepared in accordance with Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Eighth Revised Edition.

LEGEND

ADR	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	ADN: European Agreement on the International Transport of Dangerous Goods by Inland Waterways
DNEL	Derived no effect level
IATA	IATA: International Air Transport Association
ICAO	ICAO: International Civil Aviation Organization
IMDG	IMDG: International Maritime Dangerous Goods
LTEL	Long term exposure limit
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
RID	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.

Disclaimers

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