

CECCHI GUSTAVO & C.

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MINERAL MICROFIBRES -SAFETY DATA SHEET of April 2015 - batch n° 091-AE rev.1/15

MINERAL MICROFIBRES

1. Identification of the substance or mixture and of the company/undertaking

1.1. Product identifier

Name: **MINERAL MICROFIBRES**

1.2. Relevant identified uses of the substance or mixture and uses advised against Description/Use:
product for nautical and professional use – FIBERGLASS PRODUCTS

1.3. Details of the supplier of the safety data sheet

Business name: **CECCHI GUSTAVO & C. SRL.**

Address: **Via M. Coppino, 253**

Location and State: **55049 VIAREGGIO (LU) ITALY**

TEL. +39 0584 383694

FAX +39 0584 395182

e-mail of the competent person responsible for the safety data sheet: **info@cecchi.it**

Responsible for placing on the market: **CECCHI GUSTAVO & C. srl**

1.4. Emergency telephone number

For urgent information, contact: 0584/383694 office hours 8.30-12.30, 14.00-18.30 from Monday to Friday

2 – HAZARD IDENTIFICATION

According to its composition, this product is not classified as dangerous according to European Directives 67/548/EEC, 99/45/EC and their amendments.

This section identifies potential hazards associated with the item, such as shape, size, and other physical characteristics.

- Mechanical irritation (itching)
- Exposure to airborne dust and fibers (inhalation)

3 – COMPOSITION/INFORMATION ON COMPONENTS

Continuous filament glass fiber products are REACH compliant articles (1907/2006/ER).

Such products consist of glass that has received the specific shape of filament and a particular dimension (diameter). A surface treatment (sizing) is applied to the filaments which are then brought together to form a kind of cord (strand). The strand is then processed in order to give it a specific design according to the use of the end user of the article. Sizing is a mixture of chemicals, such as a coupling agent, a film former, that facilitates the process. The content in sizing is usually less than 1.5% and in some cases it can reach up to 7%.

For continuous strand mats, a binder is applied later to form the mat. The binder (polymer resin blend) content is usually less than 10% of the weight of the finished product.

4 - FIRST AID Eye

contact:

Provide to rinse thoroughly with water, including the eyelids for 15 minutes. Do not rub or scratch your eyes.

If eye irritation persists, consult a specialist.

Skin contact:

Wash immediately with cold water and soap.

DO NOT use warm water; this would in fact have the effect of opening the pores of the skin and making the fibers penetrate more.

DO NOT rub or scratch the affected areas.

Remove "contaminated" clothes.

If irritation persists, consult a doctor.

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Inhalation:

Take victim to fresh air.

If symptoms persist, consult a doctor.

5 – FIRE FIGHTING MEASURES

Continuous filament glass fiber products are not flammable, combustible, or not tolerant of burning.

Only the sizing and/or binder are combustible and may emit small amounts of hazardous gas in the event of fire or prolonged heating.

Suitable extinguishing media:

Water

Extinguishing powder

Carbon dioxide foam (CO₂) Special equipment for the protection of bystanders:

wear a self contained breathing apparatus (SCBA) and fire protection gear

6 – MEASURES TO BE ADOPTED IN THE EVENT OF ACCIDENTAL RELEASE

Personal precautions: avoid contact with eyes. Cleaning methods:

Collect and place in properly labeled containers. Avoid dry sweeping.

Shovel the maximum of material poured into a container.

Use an industrial vacuum cleaner equipped with a high-efficiency filter to eliminate residual dust and fibres.

After vacuuming, rinse the remaining traces with water.

7 – HANDLING AND STORAGE

Handling: _ Wear an individual device in case of direct contact with the product (see section 8).

Avoid and/or minimize dust formation.

Storage: keep the product in its original packaging in order to minimize the potential formation of dust.

8 - EXPOSURE CONTROL - PERSONAL PROTECTION Continuous filament glass fibers are not breathable.

However, some mechanical processes can generate dust or suspended fibers (see section 11). The occupational exposure limits listed below are applicable to both exposure to fibers suspended in the air and to dust.

Occupational Exposure Control:

Engineering Measures: Local exhaust and/or general ventilation should be implemented to maintain low levels of exposure. A dust collection system shall be used in any transferring, cutting, machining or any other process that generates dust. Wet cleaning methods or vacuum systems should be used.

Personal protective equipment:

Respiratory protection:

When workers are exposed to concentrations above the exposure limits.

They must wear suitable and approved masks (FFP1 or FFP2 according to the concentration suspended in the air).

Safety glasses with side shields. Eye/Face

Protection: Protective gloves.

Skin/body protection: long sleeved shirts and long trousers.

Good Industrial Hygiene Practices:

Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothes.

Avoid the infiltration of dust into boots and gloves by using wrist bands and ankle straps



Remove and wash contaminated gloves and clothing, even inside.

Exposure limit**NOTE:**

the user of continuous filament glass fiber products must comply with the national regulations in force regarding the protection of workers' health. Below you will find some occupational exposure limit values in different countries:

Village <small>ACGI extension</small>	Respirable dust 3mg/m3	Total powder 10mg/m3	Breathable fiber 1 fiber/ml
Austria	6 mg/m3 (fine)		0.5 fiber/ml
Denmark	5mg/m3	10mg/m3	1 fiber/ml
Finland		10mg/m3	1 fiber/ml
France		10mg/m3	1 fiber/ml
Germany	3mg/m3	4mg/m3	0.25 fiber/ml
Great Britain	5 mg/m3	10mg/m3	2 fibers/ml
Netherlands	2mg/m3	10mg/m3	1 fiber/ml
Ireland	5mg/m3		2 fibers/ml
Italy	3mg/m3	10mg/m3	1 fiber/ml
Norway	5mg/m3	10mg/m3	1 fiber/ml
Portugal		4mg/m3	1 fiber/ml
Spain	3mg/m3	10mg/m3	1 fiber/ml

9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	white
physical state:	solid
Softening point: Fusion	> 800°C
point: Melting	Not applicable
temperature: Density:	sizing and binder start to decompose at 200°C 2.5 – 2.5 (water = 1)
Solubility:	insoluble

10 - STABILITY AND REACTIVITY

Stability: stable under normal conditions

Hazardous decomposition products

see section 5 for information on fire decomposition products **Possibility of hazardous reactions**

no dangerous polymerization occurs

11 - TOXICOLOGICAL INFORMATION

High toxicity: not relevant

local effects: Dusts may cause irritation to the eyes and skin. The irritation disappears when exposure ceases. Mechanical irritation is not considered a health hazard according to the European directive 67/548/EC on dangerous substances. Continuous filament glass fibers do not require classification as an irritant (Xi) according to the European directive 97/69/EC.

Inhalation may cause coughing, sneezing or irritation of the nose and throat. Exposure to high concentrations can lead to breathing difficulties, congestion and a sense of tightness.

Long term effects: Continuous filament glass fibers are not respirable according to the World Health Organization (WHO) definition.

A respirable fiber has a diameter (d) of less than 3µm, a length (l) greater than 5µm and a l/d ratio greater than or equal to 3. Fibers with a diameter greater than 3µm, which is the case for our continuous filament glass, do not reach the lower respiratory tract and therefore do not cause serious lung disease.

Continuous filament glass fibers do not possess a cleavage plane that would allow

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a fracture along the length and would induce a reduction in the diameter of the fiber. If there is a fracture, it occurs transversely, which causes the formation of smaller fibers of shorter length but the same diameter and some dust.

Microscopic examination of crushed glass dust shows the presence of small amounts of respirable particles. Among these particles, some irregular ones have a shape similar to a fiber in terms of l/d ratio; they are called "shards". As far as we know the exposure levels of these respirable particles, measured at our production sites, are 50 to 1000 times lower than the authorized occupational exposure limits. Furthermore, continuous filament glass fibers are not carcinogenic (see section 15)

12 - ECOTOXICOLOGICAL INFORMATION

No specific data is available, but this article is not expected to be dangerous to the environment.

13 - DISPOSAL CONSIDERATIONS

Glass fiber waste is not considered hazardous: European Waste Code: 101103.

14 - TRANSPORT IMDG

extension

REDUCED

ADR

IATA

NOT REGULATED

15 - REGULATORY INFORMATION

This product is not dangerous according to directives 67/584/EC, 99/45/EC and their latest amendments.

Non-cancer disclosure:

According to European directives, continuous filament glass fibers are not classified as carcinogenic. Directive 67/548/EEC and its amendment 97/69/EC do not apply to continuous filament glass fibers, since they are not "randomly oriented fibers". In June 1987, the IARC (International Agency for Research on Cancer) classified continuous filament glass fibers in the category of non-carcinogenic products for humans (group 3). The results of human and animal studies were judged insufficiently conclusive, according to the IARC, to classify continuous strand glass fibers as a carcinogen (whether it is in the possible, probable or safe category). This conclusion was confirmed by IARC in October 2001.

National chemical inventories:

continuous filament glass fiber products are placed as **articles** in the various international chemical inventories listed below and, therefore, exempt from registration:

The European Inventory of Existing Chemical Substances: EINECS/ELINCS

The US EPA Toxic Substance Control Act: TSCA

The Canadian Chemical Registration Regulations: NDSL/DSL The

Japanese Chemical Substances Control Law under METI: CSCL The

Australian Inventory of Chemical Substances: AICS

The Philippine Inventory of Chemicals and Chemical Substances: PICCS

The Korean Existing Chemical List: (K)ECL

The Chinese List on New Chemical Substances

However, according to the regulations of marketing and use of a chemical product in force in the countries where our CFGF products are manufactured, each of their chemical ingredients must be listed in the national chemical inventory.

16 - OTHER INFORMATION

This document was developed to align with the Reach Regulation.

The information contained in this document is based on knowledge available at the date of compilation.

They refer only to the product indicated and do not constitute a guarantee of particular qualities.

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The user is required to ensure the suitability and completeness of such information in relation to the specific use to be made of it.

This sheet supersedes any previous edition. Disclosure to customers and end users is recommended.