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Continuous Filament Glass Fiber are articles according to Article 3.3 of regulation (EC) No. 1907/2006 (REACH). They do not contain substances intended to be released under normal or reasonably foreseeable conditions of use. Therefore, there is no registration obligation for substances in article according to Article 7.1 of the Regulation. There is no obligation to provide a Safety Data Sheet for these Products since Article 31 of the regulation is not applicable to articles but only to hazardous substances and mixtures.

The U.S. Government's Occupational Safety and Health Administration (OSHA) recognizes that articles "may" be exempted from the SDS requirement as described in the Hazard Communication Standard 29 CFR 1910.1200, provided these articles do not meet the OSHA's definition of hazardous material. Our CFGF products are not hazardous according this definition and therefore, SDS requirement is not applicable.

CPIC has committed to communicate to its customers the appropriate information for assuring the safe handling and use of its products. However, there is no mandatory format defined in the Regulation for providing that information.

SECTION 1. COMPANY AND PRODUCT IDENTIFICATION

| | |
|---------------------|---|
| Product Name | Continuous Filament Glass Fiber |
| Synonym | All grades: Multi-End Roving, Direct Roving, Chopped Strands, Nonwoven TRB, Milled Fiber, Chopped Strands Mat |
| Supplier | CPIC BRASIL Fibras de Vidro LTDA. |
| Address | Rodovia Capinas – Tietê – SP 101 – Km 40,5 Bairro Corte Preto – Capivari, SP – Brasil CEP 13360-000 |
| Telephone | (55) 19 3492 9000 |
| Web site | www.cpicfiber.com.br |
| E-mail | contato@cpicfiber.com |

SEÇÃO 2. HAZARDS IDENTIFICATION

With regard to its composition, this product is not classified as hazardous according to the European Regulation (CE) 1272/2008.

This section identifies the potential hazards related to the article, i.e. its shape, its dimensions and other physical characteristics.

- ✓ May cause temporary skin and mucous membranes itching due to the mechanical abrasion effect of fibers.
- ✓ Exposure to airborne dusts and fibers (inhalation)



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For further details, see section 11.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Name | CAS | Percentage |
|---|---------------------------------|--------------------|
| Sizing* | Not applicable (Proprietary) | 0 – 5 in weight |
| Continuous filament glass fiber (not breathable). | 65997-17-3 | 95 – 100 in weight |

As manufactured continuous filament glass fibers are non-respirable. Continuous filament glass products that are chopped, crushed or severely mechanically processed during manufacturing or use may contain a very small amount of respirable particulate, some of which may be glass shards. See Section 8 for Exposure Limit Data.

Non-Hazardous Statement:

The remaining components of this product are non-hazardous or are in a small enough quantity as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4. FIRST AID MEASURES

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| Eyes contact | Immediately flush eyes with water for 15 to 20 minutes. Ensure adequate eye washing by separating the eyelids with your fingers. Do not scratch or rub your eyes. If irritation persists, seek medical attention. |
| Skin contact | In case of irritation: Wash off immediately with mild soap and cold water. Do not use warm water because this will open up the pores of the skin, which will cause further penetration of the fibers. Use a wash cloth to help remove fibers. Do not rub or scratch affected areas. Remove contaminated clothing. If irritation persists get medical attention. In case of stinging: |



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Remove the glass shard carefully to avoid breaking it in the skin or the joints. Disinfect the entry point. If the shard is broken inside the skin, consult a specialist.

Inhalation

Move to a cool, well-ventilated location. If symptoms persist, seek medical attention.

Ingestion

Accidental ingestion of this material is unlikely. If this does occur, watch person for several days to make sure intestinal blockage does not occur. Rinse mouth with water and drink water to remove fibers from the throat. If symptoms persist, call a physician.

Note to the doctor

Treatment according to the symptoms.

SECTION 5. FIREFIGHTING MEASURES

| | |
|---|---|
| Flammable properties | Non flammable. |
| Flash point | Not available. |
| Auto ignition temperature | Does not apply. |
| Lower flammability/explosive limit | Not available. |
| Upper flammability/explosive limit | Not available. |
| Extinguishing media | Dry chemical, foam, carbon dioxide (CO ₂), water fog. |
| Advice for firefighters | Self-Contained Breathing Apparatus (SCBA) and all protection during fire-fighting. |
| Hazardous combustion products | Carbon monoxide (CO). Carbon dioxide (CO ₂), Hydrogen, other unknown components can be released but in very small quantities. |
| Risk of fire and explosion | Not available. |
| NFPA Ratings: | NFPA Health: 1 NFPA Flammability: 0 NFPA Reactivity: 0 NFPA Other: |



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SECTION 6. ACCIDENTAL RELEASE MEASURES

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|-----------------------------------|--|
| Personal precautions: | Avoid contact with skin and eyes. |
| Environmental precautions: | Prevent further leakage or spillage if safe to do so. |
| Methods for containment: | This material will disperse with wind. Prevent it from spreading through the use of covers, dams and other means. |
| Methods for cleaning up: | Use an industrial vacuum cleaner with a high efficiency filter to clean up dust and fiber contamination. Avoid dry sweeping. Dampen with water and sweep. Pick up and transfer to properly labeled containers. |
| Other Precautions: | Does not apply. |

SECTION 7. HANDLING AND STORAGE

| | |
|---------------------------|--|
| Handling | Avoid dust generation. Do not breathe dust Wear personal protective equipment. |
| Storage | Keep product in its packaging until use to minimize potential dust generation. Product should be kept dry and undercover. |
| Hygiene Practices: | Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. |

SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION – EXPOSURE GUIDELINES

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|-----------------------------|--|
| Engineering control | Local or general ventilation according to workshop environment in order to keep exposure below established limits. Dust collection system should be used when transferring, chopping, grinding or other dust generating processes. Vacuum or wet cleaning method must be used. |
| Eyes/face protection | Wear safety glasses with side shields. |
| Skin protection | Wear protective gloves. Long sleeve blouses and pants must be worn. |



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| Respiratory protection | <p>Workers must wear an appropriate respirator in environments where there are dust particles/concentrations above the exposure limit.</p> <p>Consult your company about the procedure for selection, training and inspection for the maintenance of respirators.</p> |
| General Hygiene Considerations: | <p>Wash hands before breaks and immediately after handling the product.</p> <p>Remove and wash contaminated clothing before re-use.</p> |

Occupational Exposure

| | Country/Regulation | Respirable dust | Total dust | Respirable fiber: |
|----------------|--|------------------------|----------------------|-------------------------|
| | Glass fiber (continuous filaments, not respirable). | ACGIH | 5 mg/m ³ | 10 mg/m ³ |
| NIOSH | | | 5 mg/m ³ | 3 fibras/ml |
| OSHA | | 5 mg/m ³ | 15 mg/m ³ | 1 fib / cm ³ |
| Germany | | 1,25 mg/m ³ | 10 mg/m ³ | |
| Áustria | | 5 mg/m ³ | 5 mg/m ³ | 0,5 fibra/ml |
| Belgium | | 3 mg/m ³ | 10 mg/m ³ | 1 fibra/ml |
| Bulgaria | | | | |
| Croacia | | | | |
| Czech Republic | | | | |
| Denmark | | 5 mg/m ³ | 10 mg/m ³ | 0,1 fibra/ml |
| Spain | | 3 mg/m ³ | 10 mg/m ³ | 1 fibra/ml |
| Finland | | | 10 mg/m ³ | 1 fibra/ml |
| France | | 5 mg/m ³ | 10 mg/m ³ | 1 fibra/ml |
| Hungria | | | | |
| Ireland | | 4 mg/m ³ | 10 mg/m ³ | 1 fibra/ml |
| Italy | | 3 mg/m ³ | 10 mg/m ³ | 1 fibra/ml |
| Lithuania | | | | |
| Netherlands | | 3 mg/m ³ | 10 mg/m ³ | 0,5 fibra/ml |
| Norway | | 5 mg/m ³ | 10 mg/m ³ | 1 fibra/ml |
| Poland | | | | |
| Portugal | 3 mg/m ³ | 10 mg/m ³ | 1 fibra/ml | |
| Russia | | | | |
| Sweden | 5 mg/m ³ | 10 mg/m ³ | 1 fibra/ml | |
| Suitzerland | 3 mg/m ³ | 10 mg/m ³ | 0,5 fibra/ml | |
| United Kingdom | 4 mg/m ³ | 10 mg/m ³ | 2 fibra/ml | |



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic chemical and physical information**

| | |
|----------------------------------|---|
| Physical state: | Solid |
| Color: | White. |
| Odor: | Odorless. |
| Boiling point: | No data. |
| Melting point: | >800°C. |
| Density | 2,40 – 2,70 g/cm ³ (Reference: water=1). |
| Solubility | Insoluble in water. |
| Vapor density | No data. |
| Vapor pressure | No data. |
| Evaporation rate | No data. |
| pH value: | Not applicable. |
| Viscosity | Not applicable. |
| Flash point: | Not available (may emit slight smoke briefly above 120°C) |
| Auto-ignition temperature | Not applicable. |

SECTION 10. STABILITY AND REACTIVITY

| | |
|---------------------------------------|---|
| Chemical stability | Stable under normal conditions. |
| Hazardous Polymerization: | Hazardous polymerization does not occur. |
| Conditions to avoid | None expected. |
| Imcompatible materials | No materials to be especially mentioned. |
| Special decomposition products | See section 5 for hazardous decomposition products during a fire. |



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SECTION 11. TOXICOLOGICAL INFORMATION

Applies to Product:

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|---------------------------|---|
| Acute toxicity | No classification. |
| Local effects: | <p>Dusts and fibers may cause mechanical irritation to eyes and skin. The irritation disappears when the exposure ceases. Mechanical irritation is not considered as a health hazard in the meaning of European Regulation (CE) 1272/2008. Continuous filament glass fibers do not require a classification as an irritant under the European Regulation (CE) 1272/2008.</p> <p>Inhalation may cause coughing or sneezing and nose or throat irritation. High exposure may cause difficult breathing, congestion and chest tightness.</p> |
| Long term effects: | <p>Continuous filament glass fibers are not respirable according to the World Health Organization (WHO) definition. Respirable fibers have a diameter (d) smaller than 3µm, a length (l) larger than 5µm and a l/d ratio larger than or equal to 3. Fibers with a diameter greater than 3µm, which is the case for our continuous filament glass fibers, do not reach the lower respiratory tract and therefore do not cause serious pulmonary disease.</p> <p>Continuous filament glass fibers do not possess cleavage planes, which would allow them to split length-wise into fibers with smaller diameters. Rather they break across the fibers, resulting in small dust formation or in fibers, with the same diameter but a shorter length than the original fibers.</p> <p>Microscopic examination of dust from highly chopped and pulverised glass demonstrated the presence of small amounts of respirable dust particles. Among these respirable particles, some were fiber-like in terms of l/d ratio (so-called "shards"). It can be clearly observed however that they are not regular shaped fibers but irregular shaped particles with fiber-like dimensions. To the best of our knowledge, the exposure levels of these fiber-like dust particles measured at our manufacturing plants are of the order of magnitude between 50 to 1000 below existing applicable limits.</p> |



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Carcinogenicity

| Fiber Glass (Continuous Filament, non-respirable) | ACGIH | NIOSH | OSHA | IARC | NTP | MEXICO |
|--|--------------|--------------|-------------|-----------------|------------|---------------|
| | A4 | No | No | Group 3 – Not | No | No |
| | Not | Data | Data | Classifiable as | Data | Data |
| | Classifiable | | | to its | | |
| | as a Human | | | Carcinogenicity | | |
| | Carcinogen | | | | | |

Applies to Product:

| | |
|-------------------------------|---------------------------|
| Sensitization: | No information available. |
| Mutagenicity: | No information available. |
| Reproductive Toxicity: | No information available. |
| Teratogenicity: | No information available. |
| Inhalation toxicity: | No information available. |
| Neurological Effects: | No information available. |

SECTION 12. ECOLOGICAL INFORMATION**Applies to Product:**

| | |
|---|---|
| Ecotoxicity: | This material is not expected to be harmful to animals, plants or fish. |
| Bioaccumulation: | Not available. |
| Biodegradation: | Not available. |
| Mobility in environmental media: | Not available. |

SECTION 13. DISPOSAL CONSIDERATIONS**Applies to Product:**

| | |
|-------------------------------|--|
| Waste disposal | Dispose of in accordance with Local, State, Federal and Provincial regulations. |
| Contaminated packaging | Empty packaging must be sent for recycling, recovery or waste disposal. |
| RCA Number: | No EPA Waste Numbers are applicable for this product's components. |
| RCRA Characteristics: | This material is not expected to be a characteristic hazardous waste under RCRA. |



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SECTION 14. TRANSPORT INFORMATION

| | |
|-------------------------|----------------|
| DOT Shipping Name: | Not regulated. |
| IATA Shipping Name: | Not regulated. |
| Canadian Shipping Name: | Not regulated. |
| IMDG Shipping Name: | Not regulated. |
| ADR Shipping Name: | Not regulated. |
| RID Shipping Name: | Not regulated. |
| ICAO Shipping Name: | Not regulated. |
| MEX Shipping Name: | Not regulated. |

SECTION 15. REGULATORY INFORMATION**REACH Compliance**

The European Regulation (ER) on Chemicals No. 1907/2006 (REACH) enforced on June 1st, 2007 does only require Material Safety Data Sheet (SDS) for hazardous substances and preparations. Our continuous filament glass fiber products (CFGF) are articles under REACH and therefore, no SDS is legally required.

CPIC can provide supplement information and statement regarding glass fiber's status under REACH upon request.

Applies to Product:**EEC Labels:**

Non-dangerous goods and no labeling necessary according to the European Regulation (CE) 1272/2008. Continuous filament glass fibers are not classified as carcinogenic according to European Regulation (CE) 1272/2008, since they are not "fibers with random orientation".

Canada Reg. Status:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

Canada WHMIS:

Not Controlled.

CA PROP 65:

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

This product does not intentionally add any Proposition 65 chemicals.



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| SARA | This product does not intentionally add any chemicals which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III (40CFR, Part 372). | |
| Section 311/312 Hazard | Acute Health Hazard: | Yes |
| Categories: | Chronic Health Hazard: | No |
| | Risk of ignition: | No |
| | Sudden Release of Pressure Hazard: | No |
| | Reactive Hazard: | No |
| Clean Air Act: | This product does not intentionally add any Hazardous Air Pollutants (HAPs). | |

SEÇÃO 16. OTHER INFORMATION

| | |
|---------------------------|---|
| SDS creation date: | January, 01 2008 |
| SDS review date: | November, 4th 2022. |
| Review notes: | Review of format and update on regulations. |
| Disclaimer: | Reasonable care has been taken in the preparation of this information. This information is given in good faith and given herein is based on our experience of this material. However the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. |

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