

MATERIAL SAFETY DATA SHEET

Ver.:C/2

INTRODUCTION

Continuous Filament Glass Fiber does not contain harmful substances listed by Occupational Safety and Health Act, the version (GHS Edition) is released only at the request of customers

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name: Continuous Filament Glass Fiber Products

Synonyms: Direct Rovings, Filament Winding Rovings, Texturized Rovings
Pultrusion Rovings.
Multi-End Rovings, SMC Rovings, Spray-up Rovings, Panel Rovings,
Chop Rovings.
Chopped Strand Mat
Woven Rovings.
Chopped Strands.

Manufacturer Name: CPIC Abahsain Fiberglass W.L.L.

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SECTION 2 –HAZARDS IDENTIFICATION

With regard to its composition, this product is not classified as hazardous according to European Directive 67/548/EEC and 1999/45/EC and their latest amendments.

GHS classification : Skin corrosion / irritation: Category 2 (irritating)
Serious eye damage / eye irritation: Category 2B (mildly spicy)

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Specific target organ toxicity: Category 3 (respiratory tract irritation) * No dangerous harm, it is not be classified

GHS –Labelling :



*Continuous filament fiberglass products are molded product . The GHS classification guidance for enterprise is not applicable for Molded products ; the product label diagram is not taken.

Signal words :

Warning

Risk statement :

Skin irritation
Mild eye irritation
Easily lead to respiratory tract irritation disease

Precautionary statement:

Contacting the glass fiber can cause skin, throat, nose transient itching, pain.
Please wear loose long-sleeved clothing, protective gloves, protective glasses and a dust mask.
After use CFGF, washing hands with warm water, soap, rinse the mouth.
If chopped, quickly pack into the bag, pay attention to dust.
Please wash work cloth separately from other clothing.
If itching persists, call a physician.

SECTION 3 –COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Sizing:	Not Available (Proprietary)	0 – 3 by weight
Fiber Glass (continuous filament, non-respirable):	65997-17-3	97 – 100 by 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.	

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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

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Do not rub or scratch eyes. If eye irritation persists, consult a specialist.
Skin Contact:	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.
Inhalation:	Move to fresh air. If symptoms persist, call a physician.
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 Physicians:	Treat symptomatically

SECTION 5 – FIRE FIGHTING MEASURES

Flammable Properties:	Non Flammable.
Flash Point:	Not available.
Auto Ignition Temperature:	Does not apply.
Lower Flammable/Explosive Limit:	Not available.
Upper Flammable/Explosive Limit:	Not available.
Extinguishing Media:	Dry chemical, foam, carbon dioxide (CO ₂), water fog
Protective Equipment:	Wear self-contained breathing apparatus (SCBA) and full Fire fighting protective gear.

Hazardous Combustion

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Byproducts: Carbon monoxide, carbon dioxide, hydrogen, other undetermined compounds could be released in small quantities.

Universal Fire and Explosion Hazards: Not available

NFPA Ratings:

NFPA Health: 1
NFPA Flammability: 0
NFPA Reactivity: 0
NFPA Other:

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personnel 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 settle out of the air.
Prevent from spreading by covering, diking or other means.

Methods for cleanup: 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 formation.
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

Engineering Controls: Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits.

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Dust collection system must be used in transferring operations, cutting or machining or other dust generating processes, such as using power tools. Vacuum or wet clean-up methods should be used.

Eye/Face Protection: Safety glasses with side-shields.

Skin Protection Description: Protective gloves.
Long sleeved shirt and long pants.

Respiratory Protection: When workers are facing airborne particulate/dust concentrations above the exposure limit they must use appropriate certified respirators. A properly fitted NIOSH approved disposable N 95 type dust respirator or better is recommended.
Consult with your company's local procedures for selection, training, inspection and maintenance of respirators.
Otherwise, consult the NIOSH website (http://www.cdc.gov/niosh/nppt/topics/respirators/disp_part) for a list of dust respirator types and approved suppliers.

General Hygiene Considerations: Wash hands before breaks and immediately after handling the product.
Remove and wash contaminated clothing before re-use.

EXPOSURE GUIDELINES:

	Guideline OSHA	Guideline ACGIH	Ontario Canada	Mexico
Fiber Glass (continuous filament, non-respirable)	PEL-TWA: 1 f/cc (Respirable)	TLV-TWA: 1 f/cc (Respirable) 5 mg/m ³ (Inhalable)	TWAEV: 1 f/cc (Respirable) 5 mg/m ³ (Inhalable)	TWA: 10 mg/m ³

SECTION 9 – PHYSICAL and CHEMICAL PROPERTIES

Color:	White
Odor:	Odorless
Boiling Point:	No Data
Melting Point:	> 800 °C
Specific Gravity:	2.54 g/cm ³ (Ref: water = 1)
Solubility:	Insoluble in water
Vapor Density:	No Data
Vapor Pressure:	No Data
Evaporation Rate:	No Data
pH:	No Data
Viscosity:	Not applicable
Flash Point:	Not available (May emit slight smoke briefly above 120 °C)
Auto Ignition Temperature:	Does not apply

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SECTION 10—STABILITY and REACTIVITY

Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	Hazardous polymerization does not occur.
Conditions to Avoid:	None expected.
Incompatible Materials:	No materials to be especially mentioned.
Special Decomposition Products:	See Section 5 of MSDS for hazardous decomposition products during a fire.

SECTION 11—TOXICOLOGICAL INFORMATION

Applies to Product:

Acute Toxicity:	No classification
Skin irritation:	Category 2 (irritating)
Eye irritation:	Category 2B (mildly spicy)
Specific target organ toxicity:	Category 3 (respiratory tract irritation)

Carcinogens:

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

Specific target organ toxicity (single exposure) :	The third category (Respiratory tract irritation) Exposed to the environment causes respiratory tract irritation, exposure irritation disappears without exposure
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Specific target organ toxicity (repeated exposure):	No classification
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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.

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SECTION 12 – ECOLOGICAL INFORMATION

Applies to Product:

Ecotoxicity:	This material is not expected to cause harm 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 containers should be taken for local recycling, recover or waste disposal.
RCRA 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.

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

Inventory Status

Continuous filament glass fiber products are articles under the chemicals inventories listed below and consequently are exempt from listing on these inventories:

AICS	Australian Inventory of Chemical Substances
EINECS/ELINCS	European Inventory of Existing Chemical Substances
ENCS	Japan Inventory of Existing & New Chemical Substances
CSCL	Japan Chemical Substances Control Law under METI
IECSC	China Inventory of Existing Chemical Substances
KECL	South Korea's Existing Chemical List
DSL/NDSL	Canadian Chemical Registration Regulations
PICCS	Philippine Inventory of Chemicals and Chemical Substances

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TSCA US EPA Toxic Substances Control Act

REACH Compliance

The European Regulation (ER) on Chemicals No. 1907/2006 (REACH) enforced on June 1st, 2007 does only require Material Safety Data Sheet (MSDS) for hazardous substances and preparations. Our continuous filament glass fibre products (CFGF) are articles under REACH and therefore, no MSDS 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 67/548/EEC

Canada Reg. Status: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS 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 contain any Proposition 65 chemicals.

SARA: This product does not contain 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

Categories:	Acute Health Hazard:	Yes
	Chronic Health Hazard:	No
	Risk of ignition:	No
	Sudden Release of Pressure Hazard:	No
	Reactive Hazard:	No

Clean Air Act: This product does not contain any Hazardous Air Pollutants (HAPs).

State Right To Know

	RI	MN	IL	PA	MA	NJ
Fiber Glass (continuous filament, non-respirable)	No Data	Listed	No Data	No Data	No Data	No Data

SECTION 16 – ADDITIONAL INFORMATION

HMIS Health Hazard:	1
HMIS Fire Hazard:	0
HMIS Reactivity:	0
HMIS Personal Protection:	X

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