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REV 06/07

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**FOR CHEMICAL EMERGENCY
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SECTION 1 – MATERIAL IDENTIFICATION

PRODUCT NAME(s): PART #223 – 18 Ounce Woven Roving

SECTION 2 - COMPOSITION OF INGREDIENTS

CAS #	Component	Percent by Wt.
65997-17-13	Fiber Glass (non-respirable)*	60-100
N/A	Size	0-3

* As manufactured continuous filament glass fibers are not 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 of Material Safety Data Sheet 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.

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview

No unusual conditions are expected from this product

APPEARANCE AND ODOR: White.

PRIMARY ROUTE(S) OF EXPOSURE: Inhalation, Eye Contact, Skin Contact

POTENTIAL ACUTE HEALTH EFFECTS:

Inhalation: May cause irritation of respiratory tract.

Skin Contact: Substance may cause slight irritation.

Eye Contact: May cause slight irritation.

Ingestion: Ingestion of this product is unlikely.

Chronic Effects: There are no known chronic health effects connected with long-term or contact with these products.

Aggravated Medical Condition: Chronic respiratory or skin conditions may temporarily worsen from exposure to this product.

Interactions with Other Chemicals: No information available.

Carcinogenic Status: This product is not carcinogenic.

OSHA Regulatory Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Mexico-Grade: Not available

Potential Environmental Effects: There is no known ecological information for this product.

SECTION 4 – FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Skin Contact: Wash off immediately with 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 skin irritation persists, call a physician.

Never use compressed air to move fibers from the skin. If fibers are seen penetrating from the skin, the fibers can be removed by applying and removing adhesive tape so that the fibers adhere to the tape and are pulled out of the skin.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist. Do not rub or scratch eyes.

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. If symptoms persist, call a physician.

Notes to Physician: Treat Symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Flammability/Combustibility Properties: Non-flammable

Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide (CO₂), and water fog.

Unsuitable Extinguishing Media

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide (CO₂), Hydrogen, and other undetermined compounds could be released in small quantities.

Explosion Data

Sensitivity to Mechanical Impact: Not available

Sensitivity to Static Discharge: Not available

Specific Hazards Arising from the Chemical: No information available/none known

Protective Equipment and Precautions for Firefighters: Wear self-contained breathing apparatus (SCBA) and full fire fighting protective gear.

NFPA	HEALTH 1	FLAMMABILITY 0	REACTIVITY 0
HMIS	HEALTH 1	FLAMMABILITY 0	REACTIVITY 0

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with the skin and eyes.

Environmental Precautions: Clean up spilled material immediately to prevent from becoming airborne or waterborne.

Methods for Containment: Material will settle out of air. Prevent from spreading by covering, diking, or other means.

Methods for Clean-Up: Pick or scoop up material and put into a suitable container for disposal as a non-hazardous waste. Use an industrial vacuum cleaner with a high efficiency filter to clean up dust and fiber contamination. Avoid dry sweeping.

Other Information: Material will disperse in water and can not easily be removed after it is waterborne. Material will settle out of air. Does not apply.

SECTION 7 – HANDLING AND STORAGE

Handling: Wear personal protective equipment. Avoid buildup of dust. Do not breathe dust.

Storage: Keep product in its packaging until use to minimize potential dust generation.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

	ACGIH TLV	OSHA PEL	Ontario TWAEV
Glass Fiber- continuous filament, non-respirable 65997-17-3	5 mg/m ³ (inhalable dust fraction) 1 f/cc (respirable fiber)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)	

Engineering Controls: Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits. Dust collection system must be used in transferring operations, cutting or machining or other dust generating process. Vacuum or wet clean-up methods should be used.

Personal Protective Equipment

Eye/Face Protection: Safety glasses with side-shields, goggles

Skin Protection: Protective gloves, long sleeved shirt and long pants

Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. A dust mask can be worn as a precautionary measure to avoid slight irritation.

General Hygiene Considerations: Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid getting dust into boots and gloves through wrist bands and pant tucks. Remove and wash contaminated clothing before re-use.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance: White
Physical State: Solid

Odor: Odorless
pH: Does not apply

Flash Point: Not available
Boiling Point/Range: Does not apply
Flammability Limits in Air

Auto-ignition temperature: Not available
Melting Point/Range: >800°C
Lower: Not Available **Upper:** Not Available

Explosion Limits

Explosive Properties	Does not apply
Oxidizing Properties	Does not apply
Evaporation Rate	Does not apply
Vapor Pressure	Does not apply
Vapor Density	Does not apply
Specific Gravity	2.60 (water=1)
Solubility	insoluble
Water solubility	insoluble
Partition coefficient	
n-octanol/water	Not available
Viscosity	Not available
VOC Content	<0.4%
Oxidizing properties	Does not apply

SECTION 10 – CHEMICAL STABILITY & REACTIVITY INFORMATION

Stability: Stable under normal conditions

Conditions to Avoid: None expected

Incompatible Materials: None

Hazardous Decomposition Products: No information available. See Section 5 of MSDS for hazardous decomposition products during a fire.

Possibility of Hazardous Reactions: Will not occur.

SECTION 11 – TOXICOLOGY INFORMATION

Acute Effects:

Product Information: Dust may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. People with pre-existing respiratory conditions, may experience difficulty breathing, congestion and chest tightness.

Chronic Toxicity

Component Information

Fiber Glass Continuous Filament: The International Agency for Research on Cancer (IARC) in June 1987, categorized fiber glass continuous filament as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fiber glass continuous filament as a possible, probable, or confirmed cancer causing material.

The TLV-TWA of 5mg/m³ was adopted for non-respirable glass filament fiber, measured as inhalable dust, to prevent mechanical irritation of the upper respiratory tract.

Carcinogenicity: There are no carcinogenic chemicals in this product.

	ACGIH	IARC	NTP	OSHA
Glass Fiber-continuous filament, non-respirable 65997-17-3	A4	Group 3		

ACGIH: American Conference of Governmental Industrial Hygienists

A4-Not Classifiable as a Human Carcinogen

IARC: International Agency for Research on Cancer

Group 3-Not Classifiable as to its Carcinogenicity to Humans

Irritation	Not Available
Corrosivity	Not Available
Allergy	Not Available
Neurological Effects	Not Available
Mutagenic Effects	Not Available
Reproductive Effects	Not Available
Developmental Effects	Not Available
Target Organ Effects	Not Available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity Effects: This material is not expected to cause harm to animals, plants or fish.

Chemical Fate

Persistence/Degradability	Not Available
Bioaccumulation/Accumulation	Not Available
Mobility in Environmental media	Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with Local, State, Federal and Provincial regulations

Contaminated Packaging: Empty containers should be taken for local recycling, recovery or waste disposal.

US EPA Waste Number Product Information: No EPA Waste Numbers are applicable for this product's components

RCRA: This material is not expected to be a characteristic hazardous waste under RCRA.

SECTION 14 - TRANSPORT INFORMATION

DOT Not Regulated

TDG Not Regulated

MEX Not Regulated

ICAO Not Regulated

IATA Not Regulated

IMDG/IMO Not Regulated

RID Not Regulated

ADR Not Regulated

ADN Not Regulated

SECTION 15 – REGULATORY INFORMATION

International Inventories

All of the components in this product are on the following Inventory Lists or are exempt

	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	China	KECL	PICCS	AICS
Glass Fiber-continuous filament, non-respirable 65997-17-3	XU	Present	-	266-046-0	-	-	Present	KE-17630	GEN-0994	Present

USA

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization ACT of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA311/312 HAZARDOUS CATEGORIZATION

Acute Health Hazard	Yes
Chronic Health Hazard	No
Risk of Ignition	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Air Act, Section 112 Hazardous Air Polutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs

State Regulations

California Proposition 65

This product does not contain any Proposition 65

Chemicals

State Right-to-Know

Not listed on any State Right-To-Know Lists

	CA	MA	MN	NJ	PA	IL	RI
Glass Fiber-Continuous Filament, non-respirable			X				

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

Non-Controlled

SECTION 16 - COMMENTS

The information accumulated herein is believed to be accurate but is not warranted to be, whether originating with Fibre Glast Developments Corporation or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances