



FIBRE GLAST DEVELOPMENTS CORP.
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REV 10/11

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**FOR CHEMICAL EMERGENCY
CALL (800) 424-9300 24 HRS.**

SECTION 1 - PRODUCT INFORMATION

PRODUCT NAME(s): 1 ½ Oz Chopped Strand Mat

MATERIAL NAME: Continuous Filament Mat; Chopped Strand Mat

SECTION 2 - COMPOSITION OF INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Ethylene Octane Copolymer	26221-73-8	3 – 9 by weight
Titanium-dioxide	13463-67-7	0 – 2 by weight
Carbon black	1333-86-4	0 – 1 by weight
Polyester Polymer	Not available	0 – 35 by weight
Fiber Glass (continuous-filament, non-respirable)	65997-17-3	57 – 97 by weight

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: Exposure to dust may be irritating to eyes, nose, and throat

Route of Exposure: Eye contact
Skin contact
Inhalation

Potential Health Effects:	
Eye:	May cause slight irritation.
Skin:	May cause slight skin irritation.
Inhalation:	May cause irritation of respiratory tract.
Ingestion:	Ingestion of this product is unlikely.
Chronic Health Effects:	There is no known chronic health effect connected with long-term use or contact with this product.
Carcinogenicity:	This product contains a component which is listed by IARC, OSHA, or NTP. See Section 11 for additional information.
Potential Environment Effects:	There is no known ecological information for this material.
Aggravation of Pre-Existing Condition:	Chronic respiratory or skin conditions may temporarily worsen from exposure to this product.
OSHA Regulatory Status:	This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200).

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:	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 irritation persists get medical attention. Never use compressed air to remove 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.
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:	None Flammable
Flash Point:	None
Flash Point Method:	Not applicable
Lower Flammable/Explosive Limit:	Not applicable
Upper Flammable/Explosive Limit:	Not applicable
Extinguishing Media:	Dry chemical Foam Carbon dioxide (CO2) Water fog
Protective Equipment:	Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective gear.
Hazardous Combustion Byproducts:	Carbon monoxide Carbon dioxide Ammonia Other undetermined compounds could be released in small quantities.
Universal Fire And Explosion Hazards:	Not available.
<u>NFPA Ratings:</u>	
NFPA Health:	2
NFPA Flammability:	0
NFPA Reactivity:	0

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with skin and eyes.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so.
Methods for containment:	The 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. 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 containment clothing before re-use.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

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, such as using power tools. Vacuum or wet clean-up methods should be used.

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

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.

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

EXPOSURE GUIDELINES

Ingredient	Guideline OSHA	Guideline NIOSH	Guideline ACGIH	Quebec Canada	Ontario Canada	Mexico
Titanium dioxide			TLV-TWA: 10 mg/m ³	VEMP-TWA: 10 mg/m ³ (total particulate/dust)	TWAEV-TWA: 10 mg/m ³ (Total particulate/dust)	VEMP-TWA: 10 mg/m ³ (Total particulate/dust)
Carbon black		REL-TWA: 0.1 mg/m ³ as Carbon black REL-TWA: 3.5 mg/m ³ as Carbon black	TLV-TWA: 3.5 mg/m ³			VEMP-TWA: 3.5 mg/m ³
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 & CHEMICAL PROPERTIES

Physical State Appearance: Solid

Color: White off-white

Odor: No detectable odor.

Boiling Point: No Data

Melting Point: No Data

Specific Gravity: 2.5 (Ref: water=1)

Solubility: Insoluble in water

Vapor Density: No Data

Vapor Pressure: No Data
 Percent Volatile: 0
 Evaporation Rate: No Data
 pH: No Data
 Viscosity: Not applicable
 Flash Point: None
 Flash Point Method: Not applicable

SECTION 10 –STABILITY & 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.

SECTION 11 – TOXICOLOGICAL INFORMATION

Applies to Product:

Acute Toxicity: Dusts 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. High exposures may cause difficulty breathing, congestion, and chest tightness.

Carcinogens						
	ACGIH	NIOSH	OSHA	IARC	NTP	MEXICO
Ethylene Octene Copolymer	No Data	No Data	No Data	No Data	No Data	No Data
Titanium dioxide	A4 Not Classifiable as a Human Carcinogen	No Data	No Data	Group 2B – Possibly carcinogenic to humans	No Data	A4 Not Classifiable as a Human Carcinogen
Carbon Black	A4 Not Classifiable as a Human Carcinogen	NIOSH carcinogen	No Data	Group 2B – Possibly carcinogenic to humans	No Data	A4 Not Classifiable as a Human Carcinogen
FiberGlass (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

Applies to product:

Sensitization: No information available.
 Mutagenicity: No information available.
 Reproductive toxicity: No information available.
 Teratogenicity: No information available.
 Neurological Effects: No information available.

Titanium dioxide:

Skin: Skin – Human Standard Draize test: 300 ug/3D-I ([mild])(RTECS)

Inhalation: Inhalations – Rat TClO – Lowest published toxic concentration: 1mg/kg – [Lungs, Thorax, or Respiration – Other changes Biochemical – Metabolism (Intermediary) – Effect on inflammation or mediation of inflammation] (RTECS)

Ingestion: Oral – Rodent rat RDL0 – Lowest published toxic dose: 60 gm/kg – [Gastrointestinal – Hypermotility, diarrhea Gastrointestinal – Other changes](RTECS)

Carbon Black

Skin: Skin – Rabbit LD50: >3gm/kg – [Details of toxic effects not reported other than lethal dose value]
Skin – Rat TDLo: 11 gm/kg/4W (Intermittent) [Blood – Pigmented or nucleated red blood cells; Liver – Changes in liver weight; Nutritional and Gross Metabolic – Weight loss or decreased weight gain](RTECS)

Inhalation: Inhalations – Rat TClO – Lowest published toxic concentration: 7mg/m³ – [Lungs, Thorax, or Respiration – Other changes Biochemical – Metabolism (Intermediary) – Effect on inflammation or mediation of inflammation] (RTECS)

Ingestion: Inhalation – Rat LD50: >15400 mg/kg [Behavioral – Somnolence (general depressed activity)] (RTECS)

Fiber Glass (Continuous-filament, non-respirable):

Inhalation: Inhalations – Rat TClO: 16mg/m³/6H/13W (Intermittent) [Lungs, Thorax, or Respiration – Other changes]
Inhalation – Rat TClO: 5mg/m³/6H/13W (Intermittent) [Tumorigenic – carcinogenic by RTECS criteria; Blood – Leukemia] (RTECS)

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 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.

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

MES Shipping Name: Not Regulated

SECTION 15 – REGULATORY INFORMATION

Inventory Status

	Japan ENCS	EINECS Number	Phillipines PICCS	China	South Korea KECL
Ethylene Octene Copolymer		607-890-5			KE-13674
Titanium dioxide	(1)-558	236-675-5	Not listed		KE-33900
Carbon Black	(5)-3328	215-609-9			KE-04682
FiberGlass (continuous-filament, non-respirable)	Not listed	266-046-0	Listed	Listed	KE-17630

	Australia AICS	Canada DSL	TSCA Inventory Status		
Ethylene Octene Copolymer	Listed	Listed	Listed		
Titanium dioxide	Listed	Listed	Listed		
Carbon Black	Listed	Listed	Listed		
FiberGlass (continuous-filament, non-respirable)	Listed	Listed	Listed		

Applies to Product:

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 WHMS:

Controlled – Class: D2A Very Toxic

CA Prop 65:

The following statement(s) are provided under the California State Drinking Water and Toxic Enforcement Act of 1996 (Proposition 65):
WARNING! This product contains a chemical known to the State of California to cause cancer.

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: Yes
Risk of Ignition: No
Sudden Release of Pressure hazard: No
Reactive Hazard: No
This product does not contain any Hazardous Air Pollutants (HAPs)

Clean Air Act:

Carbon Black:

Canada IDL:

Identified under the Canadian Hazardous Products Act Ingredient
Disclosure List: 1%, item: 309(1271)

CA Prop 65

The following statement(s) are provided under the California Safe
Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
WARNING! This product contains a chemical known to the State of
California to cause cancer.

State Right to Know

	Ri	MN	IL	PA	MA	NJ
Ethylene Octene Copolymer	No Data	No Data	No Data	No Data	No Data	No Data
Titanium dioxide	Listed	Listed	No Data	Listed	Listed	No Data
Carbon Black	Listed	Listed	Listed	Listed	Listed	No Data
FiberGlass (continuous-filament, non-respirable)	No Data	Listed	No Data	No Data	No data	No data

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