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## SECTION 1 - PRODUCT IDENTIFICATION

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PRODUCT NAME: #1400 EnkaFusion Filter Jacket

Product Description: Two dimensions nylon matting with randomly oriented fused and entangled fibers.

Product ID: 7001-500-9600

Intended Use: Infusion, Resin Transfer Molding (RTM) and Vacuum Assisted Resin Transfer Molding (VARTM)

FIBRE GLAST DEVELOPMENTS CORP.  
95 MOSIER PARKWAY  
BROOKVILLE, OH 45309

TELEPHONE: (937) 833-5200  
FAX: (937) 833-6555  
**FOR CHEMICAL EMERGENCY  
CALL (801) 629-0667 24 HRS.**

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## SECTION 2- HAZARDS IDENTIFICATION

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In its presented state, this material is not considered to be hazardous according to regulatory guidelines (see (M)SDS Section 15).

### Potential Health Effects

If in molten state or exposed to excessive heat, exposure may result in eye, skin, or respiratory irritation.

- EYES** : Vapor or condensation particles from melted material may cause mild irritation of the eyes.
- SKIN** : Prolonged contact with material may cause skin irritation. Prolonged contact with condensation particles from melted material may cause dermatitis.
- INHALATION** : Vapor or condensation particles from melted material may irritate mucus membranes and upper respiratory tract.
- INGESTION** : May cause gastric system upset, including nausea and vomiting. May cause intestinal blockage. No evidence of effects from acute exposure.
- CHRONIC** : Mild dermatitis may occur as a result of prolonged exposure. Dermatitis normally disappears when exposure ceases.
- CARCINOGEN** : Not listed as a carcinogen by the National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).
- AGGRAVATED** : Persons with skin diseases may be at increased risk of exposure.
- MEDICAL CONDITIONS**

For additional toxicology data please refer to SECTION 11.

<b>NFPA Hazard ID</b>	Health:	1	Flammability:	1	Reactivity:	0
<b>HMIS Hazard ID</b>	Health:	1	Flammability:	1	Reactivity:	0

**NOTE:** This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure to a caprolactam may cause potential human health risks which may vary from person to person.

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### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

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Name	CAS#	% by Weight	ACGIH TLV/OSHA PEL
Poly (E-Caprolactam)	25038-54-4	>99.5	None established

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### SECTION 4 – FIRST AID MEASURES

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<b>Inhalation</b>	: If exposed to excessive levels, remove to fresh air and get medical attention if cough or other symptoms develop.
<b>Skin Contact</b>	: Wash contact areas with soap and water. If molten material contacts skin, cool rapidly with cold water and obtain medical attention for removal of adhering material and treatment of burn.
<b>Eye Contact</b>	: Flush thoroughly with water for 15 minutes. If irritation occurs, get medical assistance.
<b>Ingestion</b>	: If swallowed, drink one or two glasses of water or milk and induce vomiting. Get medical attention.

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### SECTION 5 – FIRE FIGHTING MEASURES

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#### EXTINGUISHING MEDIA

**Appropriate Extinguishing Media** : Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

#### FIRE FIGHTING

**Special Fire Fighting Instructions** : Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

**Unusual Fire Hazards** : None known.

**Hazardous Combustion Products** : Smoke, Fume, Incomplete combustion products, Nitrous gases, hydrogen, cyanide, ammonia, and carbon monoxide are possible.

#### FLAMMABILITY PROPERTIES

**Flash Point [Method]** : >350 °C  
**Flammable Limits** : LEL: N/A UEL: N/A  
**(Approximate volume % in air)**  
**Autoignition Temperature** : N/A

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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### CLEAN-UP PROCEDURES

In the event of material dropping or falling into the environment, no special precautions are required, other than standard safety precautions for gloves, safety glasses, and respiratory protection if dusting is an issue.

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## SECTION 7 – HANDLING AND STORAGE

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### HANDLING

Wear recommended personal protective equipment (See Section 8).

### STORAGE

Store in a cool dry place.

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## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

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### ENGINEERING CONTROLS

No special requirements under ordinary conditions of use and with adequate ventilation.

### PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

**Respiratory Protections:** No protection is ordinarily required under normal conditions of use and with adequate ventilation.

**Hand Protection:** No protection is ordinarily required under normal conditions of use.

**Eye Protection:** If contact is likely, safety glasses with side shields are recommended.

**Skin and Body Protection:** No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

**Specific Hygiene Measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

### ENVIRONMENTAL CONTROLS

Comply with applicable environmental regulations limiting discharge to air, water, and soil.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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**Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.**

### GENERAL INFORMATION

<b>Physical State</b>	: Solid
<b>Color</b>	: Generally Black or may be Blue.
<b>Odor</b>	: No special odor.
<b>Odor Threshold</b>	: N/D

### IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

<b>Specific Gravity (at 15 °C)</b>	: 1.13	<b>Flash Point [Method]</b>	: .350
<b>Flammable Limits (Approximate volume % in air)</b>	: LEL: N/A		: UEL: N/A
<b>Auto-ignition Temperature</b>	: N/A		
<b>Boiling Point/Range</b>	: N/A		
<b>Vapor Density (air=1)</b>	: N/A		
<b>Vapor Pressure</b>	: N/A		
<b>Evaporation Rate (n-butyl acetate=1)</b>	: N/A		
<b>pH</b>	: NA/		
<b>Melting Point</b>	: 220 °C		
<b>Solubility in Water</b>	: Negligible.		
<b>Oxidizing Properties</b>	: N/A		

### OTHER INFORMATION:

**Hazardous Decomposition Products (Fire):** Nitrous gases, hydrogen cyanide, and ammonia and carbon monoxide as possible thermal decomposition products. Other decomposition and oxidation products may be formed depending on fire conditions.

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## SECTION 10 – STABILITY AND REACTIVITY

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**STABILITY:** Material is stable.

**CONDITIONS TO AVOID:** Excessive heat or processing above 300°C

**MATERIALS TO AVOID:** No information available.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Material does not decompose at ambient temperatures.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

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**ANIMAL TOXICITY – ACUTE EFFECTS:** Mouce LC<sub>50</sub>: 11 grams/m<sup>3</sup> at 30 minutes exposure (dust)

**DELAYED (SUBCHRONIC & CHRONIC EFFECTS):** N/D

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## SECTION 12 – ECOLOGICAL INFORMATION

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The information given is based on data available for the material, the components of the material, and similar materials.

### ECOTOXICITY

Material—Not expected to be harmful to aquatic organisms.

### PERSISTENCE AND DEGRADABILITY

#### Biodegradation:

Not biodegradable

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## SECTION 13 – DISPOSAL CONSIDERATIONS

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Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

### REGULATORY DISPOSAL INFORMATION

RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

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## SECTION 14 – TRANSPORT INFORMATION

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<b>LAND (DOT)</b>	: Not Regulated for Land Transport
<b>LAND (TDG)</b>	: Not Regulated for Land Transport
<b>SEA (IMDG)</b>	: Not Regulated for Sea Transport according to IMDG-Code
<b>AIR (IATA)</b>	: Not Regulated for Air Transport

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## SECTION 15 – REGULATORY INFORMATION

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**OSHA HAZARD COMMUNICATION STANDARD:** When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

**TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY STATUS:** Listed on inventory. Exempt from Update Rule.

**EPCRA SECTION 302:** This material contains no extremely hazardous substances.

**SARA (311/312) REPORTABLE HAZARD CATEGORIES:**None.

**SARA 313 TOXIC RELEASE INVENTORY:** This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

**FOREIGN INVENTORY STATUS:** On DSL: Supplement to Canada Gazette, Part I, 1.26/1991.  
On ENCS: Unlisted chemical name. For ENCS chemical class or category name, refer to ENCS No. 7-357, 7-382.  
On AICS: Australian inventory of chemical Substances, June 1996 Ed.  
On ECL: Korean Existing chemicals List, January 1997. ECL serial No. KE-28913  
On PICCS: Philippines Inventory of Chemicals and Chemical Substances, 2000.  
On ASIA-PAC.

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## SECTION 16 – OTHER INFORMATION

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Revision Date  
**August 28, 2019**

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