



## GHS SAFETY DATA SHEET (SDS)

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** PART #660, 6K, 5HS Weave Carbon Fiber Fabric

FIBRE GLAST DEVELOPMENTS CORP.  
385 CARR DRIVE  
BROOKVILLE, OH 45309

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

**RECOMMENDED USE:** Standard Composite Manufacturing

### SECTION 2 – HAZARDS IDENTIFICATION

**GHS CLASSIFICATION**  
Not Classified

**GHS Label Element**  
Not Applicable

**Hazard statements** : Not applicable

**Precautionary statements** : Not applicable

**Hazards not otherwise classified:**  
Airborne fibers may cause mechanical irritation of the eyes, skin, nose and throat.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

#### OSHA REGULATED COMPONENTS

Component / CAS No.	%	Carcinogen
Carbon Fiber 7440-44-0	90 - 100	-

The specific chemical identity and/or exact percentage of composition for one or more ingredients has been withheld as a trade secret.

Additional GHS classification or other information may be included in this section but has not been adopted by OSHA. See Section 16 for full text of H phrases.

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## SECTION 4 – FIRST AID MEASURES

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**Eye Contact:**

Not an expected route of exposure.

**Skin Contact:**

Wash immediately with plenty of water and soap.

**Ingestion:**

Not an expected route of exposure.

**Inhalation:**

Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

None known

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDS**

Not applicable

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## SECTION 5 – FIRE-FIGHTING MEASURES

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**Suitable Extinguishing Media:**

This material will not burn readily. Use an extinguishing media appropriate for the surrounding fire.

**Extinguishing Media to Avoid:**

Full water jet

**Protective Equipment:**

Firefighters, and others exposed, wear self-contained breathing apparatus.

**Special Hazards:**

None known

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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**Personal precautions:**

Refer to Section 8 (Exposure Controls/Personal Protection) for appropriate personal protective equipment.

**Methods for Cleaning Up:**

Sweep up into containers for disposal. Flush spill area with water.

**References to other sections:**

See Sections 8 and 13 for additional information.

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## SECTION 7 – HANDLING AND STORAGE

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### HANDLING

**Precautions:** None

**Special Handling Statements:** Airborne fibers are electrically conductive and should not come in contact with electrical equipment.

### STORAGE

Store in accordance with local, state, and federal regulations.

**Storage Temperature:** Room temperature

**Reason:** Quality.

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## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Engineering Measures:

Engineering controls are not usually necessary if good hygiene practices are followed.

### Respiratory Protection:

Where exposures are below the established exposure limit, no respiratory protection is required. Cutting, grinding or sanding of parts fabricated after curing may create respirable dust particles. Respiratory protection appropriate for this dust may be required. Refer to components listed above for potential hazardous components in the dust.

### Eye Protection:

Wear eye/face protection.

### Skin Protection:

Avoid skin contact. Wear impermeable gloves.

### Hand Protection:

Wear impermeable gloves. Consider the porosity and elasticity data of the glove manufacturer and the specific conditions in the work place.

### Additional Advice:

Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

### Exposure Limit(s)

The below constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

7440-44-0	Carbon Fiber
OSHA (PEL):	Not established
ACGIH (TLV):	Not established
Other Value:	3 fibers/cc

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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**Color:** black  
**Appearance:** fibers or fabric

<b>Odor:</b>	odorless
<b>Boiling Point:</b>	Not applicable
<b>Melting Point:</b>	>2760 °C 5000 °F
<b>Vapor Pressure:</b>	Not applicable
<b>Specific Gravity/Density:</b>	1.6
<b>Vapor Density:</b>	Not applicable
<b>Percent Volatile (% by wt.):</b>	Not applicable
<b>pH:</b>	Not applicable
<b>Saturation In Air (% by Vol.):</b>	Not applicable
<b>Evaporation Rate:</b>	Not applicable
<b>Solubility In Water:</b>	Not applicable
<b>Volatile Organic Content:</b>	Not applicable
<b>Flash Point:</b>	Not applicable
<b>Flammable Limits (% by Vol.):</b>	Not applicable
<b>Autoignition Temperature:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Partition coefficient (n-octanol/water)</b>	Not applicable
<b>Odor Threshold:</b>	Not available

## SECTION 10 – STABILITY AND REACTIVITY

<b>Reactivity:</b>	no information available
<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	None known
<b>Polymerization:</b>	Will not occur
<b>Conditions to Avoid:</b>	None known
<b>Materials to Avoid:</b>	No specific incompatibility
<b>Hazardous Decomposition Products:</b>	None known

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Product Toxicity Information

**Likely Routes of Exposure:** Eyes, Skin, Oral, Respiratory System

#### Acute Toxicity Data

Oral (gavage)	rat	Acute LD50	Not an expected route of exposure
Dermal	rabbit	Acute LD50	>2000 mg/kg
Inhalation	rat	Acute LC50 4 hr	Not an expected route of exposure

#### Local Effects on Skin and Eye

Acute Irritation	skin	Not irritating
Acute Irritation	eye	Not an expected route of exposure

#### Allergic Sensitization

Sensitization	skin	Not sensitizing
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Sensitization                      respiratory                      Not an expected route of exposure

**Genotoxicity**

**Assays for Gene Mutations**

Ames Salmonella Assay                      No data

**Other Information**

The product toxicity information above has been estimated.

**Hazardous Ingredient Toxicity Data**

Carbon fibers may cause mechanical irritation of the eyes, skin, nose and throat. Airborne carbon fibers are not considered respirable. A typical carbon fiber may be characterized as having a diameter of 5-7 microns and a length greater than 100 microns. Fibers with diameters greater than 3.5 microns are not considered respirable.

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**SECTION 12 – ECOLOGICAL INFORMATION**

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**TOXICITY, PERSISTENCE AND DEGRADABILITY, BIOACCUMULATIVE POTENTIAL, MOBILITY IN SOIL, OTHER ADVERSE EFFECTS**

Environmental exposure from substances of this preparation are limited due to the physical form of the product. This material is not classified as dangerous for the environment.

**Results of PBT and vPvB assessment**

Not determined

**Hazardous Ingredient Toxicity Data**

<b>Component/CAS No.</b>	<b>Toxicity to Algae</b>	<b>Toxicity to Fish</b>	<b>Toxicity to Water Flea</b>
Carbon Fiber 7440-44-0	Not available	Not available	Not available

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

The information on RCRA waste classification and disposal methodology provided below applies only to the product, as supplied. If the material has been altered or contaminated, or it has exceeded its recommended shelf life, the guidance may be inapplicable. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA 'listed hazardous waste' or has any of the four RCRA 'hazardous waste characteristics.' Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA 'listed hazardous waste'; information contained in Section 15 of this MSDS is not intended to indicate if the product is a 'listed hazardous waste' RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: Ignitability, Corrosivity, Reactivity, and Toxicity. To determine Ignitability, see Section 9 of this MSDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 3 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed. The Company encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste. The Company recommends that organic materials classified as RCRA hazardous wastes be disposed of by thermal treatment or incineration at EPA approved facilities. The Company has provided the foregoing for information only; the person generating the waste is responsible for determining the waste classification and disposal method.

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**SECTION 14 - TRANSPORT INFORMATION**

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This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

**US DOT**

Dangerous Goods? Not applicable/Not regulated

**TRANSPORT CANADA**

Dangerous Goods? Not applicable/Not regulated

**ICAO/IATA**

Dangerous Goods? Not applicable/Not regulated

**IMO**

Dangerous Goods? Not applicable/Not regulated

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## SECTION 15 – REGULATORY INFORMATION

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### Inventory Information

**United States (USA):** All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

**Canada:** All components of this product are included on the Domestic Substances List (DSL) or are not required to be listed on the DSL.

**European Economic Area (including EU):** This product is an article that does not intentionally release substances under normal conditions of use and is therefore exempt from the registration requirements under the REACH Regulation (EC) No. 1907/2006.

**Australia:** All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on AICS.

**China:** All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.

**Japan:** All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese inventory.

**Korea:** All components of this product are included on the Korean (ECL) inventory or are not required to be listed on the Korean inventory.

**Philippines:** All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine inventory.

**Taiwan:** All components of this product are included on the Taiwan Chemical Substance Inventory (TCSI) or are not required to be listed on the Taiwan inventory.

### OTHER ENVIRONMENTAL INFORMATION

The following components of this product may be subject to reporting requirements pursuant to Section 313 of CERCLA (40 CFR 372), Section 12(b) of TSCA, or may be subject to release reporting requirements (40 CFR 307, 40 CFR 311, etc.) See Section 13 for information on waste classification and waste disposal of this product.

This product does not contain any components regulated under these sections of the EPA

**PRODUCT HAZARD CLASSIFICATION UNDER SECTION 311 OF SARA**

- Not applicable

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**SECTION 16 – OTHER INFORMATION**

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**Revision Date**

**August 28, 2019**

**NFPA Hazard Rating (National Fire Protection Association)**

Health: 1 – Materials that, under emergency conditions, can cause significant irritation.

Fire: 1 – Materials that must be preheated before ignition can occur.

Instability: 0 – Materials that in themselves are normally stable, even under fire exposure conditions.

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.