



FIBRE GLAST DEVELOPMENTS CORP.  
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REV 11/11

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

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## SECTION 1 - PRODUCT IDENTIFICATION

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PRODUCT: PART #530 5.7 oz Graphite 3K Plain Weave

Synonyms: All Product Grades  
Chemical Family: Carbon  
Molecular Formula: Polymer  
Molecular Wgt: Polymer

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## SECTION 2 – HAZARDS IDENTIFICATION

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### EMERGENCY OVERVIEW

#### APPEARANCE AND ODOR:

Color: black  
Appearance: fibers or fabric  
Odor: odorless

### STATEMENTS OF HAZARD:

WARNING! ELECTRICALLY CONDUCTIVE FIBERS – AIRBORNE FIBERS CAN SHORT CIRCUIT ELECTRICAL EQUIPMENT. AIRBORNE FIBERS MAY CAUSE MECHANICAL IRRITATION OF THE EYES, SKIN, NOSE AND THROAT

### POTENTIAL HEALTH EFFECTS

EFFECTS OF EXPOSURE: The acute oral (rat) and dermal (rabbit) LD50 values are estimated to be greater than 5,000 mg/kg and greater than 2,000 mg/kg, respectively. Direct contact with this material may cause mild eye and skin irritation. Refer to Section 11 for toxicology information on the regulated components of this product.

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## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

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### OSHA REGULATED COMPONENTS:

Component/CAS No	%	Carcinogen
Carbon Fiber 7440-44-0	>=99	-

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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.

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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.

**Protective Equipment:** Firefighters, and others exposed, wear self-contained breathing apparatus.

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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.

**Environmental Precautions:** None known.

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## SECTION 7 – HANDLING AND STORAGE

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### HANDLING

**Precautionary Measures:** Keep container closed. Wash thoroughly after handling.

**Special Handling Statements:** None

**STORAGE:** None

**Storage Temperature:** Room Temperature

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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:** None recommended

**Eye Protection:** Wear eye/face protection

**Skin Protection:** Avoid skin contact. Wear impermeable gloves.

**Additional Advice:** Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

**Exposure Limit(s)**

**7440-44-0 Carbon Fiber**

OSHA (PEL): Not established  
ACGIH (TLV): Not established  
Other Value: 3 fibers/cc (Cytec)

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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<b>Color:</b>	black
<b>Appearance:</b>	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>	Negligible
<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

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## SECTION 10 – STABILITY AND REACTIVITY

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<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>	Oxides of carbon

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## SECTION 11 – TOXICOLOGICAL INFORMATION

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Toxicological information for the product is found under Section 2 HAZARDS IDENTIFICATION.

Toxicological information on the regulated components of this product is as follows:

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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This material is not classified as dangerous for the environment.  
The ecological assessment for this material is based on an evaluation of its components.

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## SECTION 13 – DISPOSAL CONSIDERATIONS

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Fibre Glast Developments Corporation encourages the recycle, recovery and reuse of materials, where permitted, as an alternative to disposal as a waste. Fibre Glast Developments Corporation recommends that organic materials classified as hazardous waste according to the relevant local or national regulations be disposed of by thermal treatment or incineration at approved facilities. All local and national regulations should be followed.

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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.

**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.

**OTHER ENVIRONMENTAL INFORMATION:**

The following components of this product may be subject to reporting requirements pursuant to Section 313 or 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 for the EPA.

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

- Not applicable

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## SECTION 16 – OTHER INFORMATION

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**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.

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## SECTION 17 - COMMENTS

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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 circumstances.