



FIBRE GLAST DEVELOPMENTS CORP.  
385 Carr Drive  
BROOKVILLE, OH 45309

TELEPHONE: (937) 833-5200  
FAX: (937) 833-6555  
**FOR CHEMICAL EMERGENCY  
CALL (800) 424-9300 24 HRS.**

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## SECTION 1 - PRODUCT IDENTIFICATION

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PRODUCT: PART #1069 5.7ozGgraphite 3K 2 x 2 Twill Weave

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

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## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

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OSHA Regulated Components:

COMPONENT/CAS. NO.	%(W/W)	OSHA (PEL):	ACGIH (TLV)	Carcinogen
Carbon Fiber 7440-44-0	90-99	15 mg/m <sup>3</sup> total dust (TWA) 5 mg/m <sup>3</sup> respirable Fraction (TWA)	2mg/m <sup>3</sup> (TWA) all forms except fibers	

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## SECTION 3 –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 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 4 – FIRST AID MEASURES

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**Ingestion:** If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

**Skin Contact:** Wash immediately with plenty of water and soap.

**Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes.

**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.

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### SECTION 7 – HANDLING AND STORAGE

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**Handling**

**Precautionary Measures:** Keep container closed.

**Special Handling Statements:** Maintain good housekeeping to control dust accumulations. Airborne fibers are electrically conductive and should not come on contact with electrical equipment.

**Storage:** None

**Storage Temperature:** Room Temperature

**Reason:**

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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.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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Color:	black
APPEARANCE:	fibers or fabric
ODOR:	Odorless
BOILING POINT:	Not applicable
MELTING POINT:	>5000 F, 2760 C
VAPOR PRESSURE:	Not applicable
SPECIFIC GRAVITY:	1.6
VAPOR DENSITY:	Not applicable
% VOLATILE (BY WT):	Not applicable
pH:	Not applicable
SATURATION IN AIR (% BY VOL):	Not applicable
EVAPORATION RATE:	Not applicable
SOLUBILITY IN WATER:	Negligible
VOLATILE ORGANIC CONTENT:	Not applicable
FLASH POINT:	Not applicable
FLAMMABLE LIMITS (% BY Vol):	Not applicable
AUTOIGNITION TEMPERATURE:	Not applicable

DECOMPOSITION TEMPERATURE: Not applicable  
PARTITION COEFFICIENT (n-octanol/water): Not applicable  
ODOR THRESHOLD: Not available.

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## **SECTION 10 – STABILITY AND REACTIVITY**

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STABILITY: Stable  
CONDITIONS TO AVOID: None known  
POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID: None known  
MATERIALS TO AVOID: No specific incompatibility  
HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS: Oxides of carbon

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## **SECTION 11 – TOXICOLOGICAL INFORMATION**

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Toxicological information for the product is found under Section 3. 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

Proper Shipping Name: Not applicable/ Not regulated  
Hazardous Substances:  
Not applicable

### TRANSPORT CANADA

Proper Shipping Name: Not applicable/Not regulated

### ICAO/IATA

Proper Shipping Name: Not applicable/Not regulated  
Packing Instructions/Maximum Net Quantity Per Package:  
Passenger Aircraft:  
Cargo Aircraft:

### IMO

Proper Shipping Name: Not applicable/ Not regulated

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## SECTION 15 – REGULATORY INFORMATION

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### Inventory Information

**United States:** 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:** This product contains components not on the Domestic Substances List. These components are on the Non-Domestic Substances List.

**European Union ( EU):** All components of this product are included on the European Inventory of Existing Chemical Substances (EINECS) or are not required to be listed on EINECS.

**Australia:** All components of this product have not yet been included in the Australian Inventory of Chemical Substances (AICS) or assessed by Worksafe Australia.

**China:** All components of this product are NOT included on the China inventory.

**Japan:** All components of this product are NOT included on the Japanese (ENCS) inventory.

**Korea:** All components of this product are NOT included on the Korean (ECL) inventory.

**Philippines:** All components of this product are NOT included on the Philippine (PICCS) inventory.

**OTHER ENVIRONMENTAL INFORMATION:**

**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)

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

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

Reactivity: Materials that in themselves are normally stable, even under fire exposure conditions.

Fire  
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Health 1    0 Reactivity

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Special

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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.

