

# MATERIAL SAFETY DATA SHEET

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## SECTION I – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**IDENTITY:** (As used on label and list)

**Graphite Felt and Carbon Felt**  
(Source of felt is Chinese)

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**Supplier's Name/Address/Phone #:**

CeraMaterials  
106 Plum Poppy North  
Malta, NY 12020  
(518) 701-6722

**Emergency Telephone #:**    INFOTRAC (800) 535-5053

**Date Originally Prepared:**    12/2006

**Revision Date:**    12/2006

## SECTION II – HAZARDOUS INGREDIENTS

**Hazardous Components:**

(Spec. Chemical Identity;  
Common Name(s)):

	CAS #:	OSHA PEL:	ACGIH TLV:	Other Limits Recommended:	% Optional:
Carbon Dust (Nuisance dust)		15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>		
Graphite	7782-42-5	15 mppcf	-----		

## SECTION III – PHYSICAL/AND CHEMICAL PROPERTIES

<b>Boiling Point:</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	N/A
<b>Vapor Pressure (MM Hg.):</b>	N/A	<b>Melting Point:</b>	N/A
<b>Vapor Density: (Air = 1)</b>	N/A	<b>Evaporation Rate: (Butyl Acetate=1)</b>	N/A
<b>Solubility in Water:</b>	N/A	<b>Appearance and odor:</b>	Odorless black-gray fiber material

## SECTION IV – FIRE/FIRE FIGHTING MEASURES

**Flash Point (Method Used):**    N/A

**Flammable Limits:**    N/A

**UEL:**    N/A    **LEL:**    N/A

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**Extinguishing Media:** Water, CO<sub>2</sub>

**Special Fire Fighting Procedures:** Use SCBA and complete protective equipment to protect against hazardous decomposition and combustion products.

**Unusual Fire and Explosion Hazards:** Carbon fiber, dust and fibrous particles are electrically conductive and can cause shorting in electrical equipment. Explosive shorting of high voltage systems is a possibility. Carbon felt will begin to slowly oxidize at approximately 300 degrees F. Graphite felt will begin to slowly oxidize above 500 degrees F. Both materials can ignite in air above these temperatures.

### SECTION V – FIRST AID

**Emergency and First Aid Procedures:** No special first aid or emergency procedures are applicable.

**Eyes:** Flush with plenty of water for 15 minutes. If any eye irritation persists, seek medical attention.

**Skin:** Wash with mild soap and water. If any skin irritation persists, seek medical attention.

**Ingestion:** N/A

### SECTION VI – STABILITY AND REACTIVITY

**Stability:** Material is stable.

**Incompatibility (Materials to Avoid):** N/A

**Hazardous Decomposition or By-Products:** CO in scarcity of oxygen.

**Material Polymerization:** **May Occur:** **Will not Occur:** X

**Conditions to Avoid:** N/A

### SECTION VII – HANDLING AND STORAGE

**Precautions to be Taken in Handling and Storing:** Electrical equipment enclosures and circuits in or near areas where fibers are used should be protected against infiltration or contact with airborne particles or filaments.

**Other Precautions:** Avoid conditions that could generate carbon dust or fly.

### SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection (Specify Type):** Use with adequate ventilation. Where ventilation or other mechanical controls are inadequate, use NIOSH approved particulate respirators.

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**Ventilation:**

**General Mechanical:** Recommended

**Local:** Recommended when appropriate to control employee exposure.

**Special:** N/A

**Protective Gloves:** May be appropriate when handling.

**Eye Protection:** Safety glasses when handling.

**Other Protective Clothing or Equipment:** Barrier cream and/or long sleeve garments suggested to prevent mechanical irritation of skin in select individuals.

**Work/Hygienic Practices:** Care in handling to prevent fiber fly.

## SECTION IX – HEALTH HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

<b>Route(s) of Entry:</b>	<b>Inhalation</b>	X	<b>Skin</b>	X	<b>Ingestion</b>	N/A
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**Health Hazards (Acute and Chronic):** Exposure to airborne carbon fibers and nuisance dusts may sensitize and irritate nasal and respiratory systems.

**Carcinogenicity:** No data concerning cancer is known at this time.

**Signs and Symptoms of Exposure:** Mechanical skin irritation in select individuals. Dermatitis.

**Medical Conditions Generally Aggravated by Exposure:** Dermatitis.

## SECTION X – ACCIDENTAL RELEASE MEASURES

Use filtered vacuum cleaner or wet sweeping methods to collect loose material. Avoid generating airborne fibrous particles during cleanup operations.

## SECTION XI – TOXICOLOGICAL INFORMATION

No applicable information has been found.

## SECTION XII – ECOLOGICAL INFORMATION

No applicable information has been found.

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### SECTION XIII – DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Do not incinerate. Not considered a hazardous waste. Dispose of in accordance with local, state and federal regulations.

### SECTION XIV – TRANSPORT INFORMATION

DOT Proper Shipping Name: Not DOT Regulated Material.

### SECTION XV – REGULATORY INFORMATION

This material is not subject to the reporting requirements of Section 313 of Title III of the Superfund Reauthorization Act of 1986 and 40 CFR Section 372.

### SECTION XVI – OTHER INFORMATION

The above information is believed to be accurate and represents the best information currently available to us. However, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their own particular purposes. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The data in this MSDS relates only to the specific material designated and does not relate to use in combination with any other material or process.