

MATERIAL SAFETY DATA SHEET

GRAPHTEK LLC

I. PRODUCT IDENTIFICATION

Manufacturer's Name & Address: Graphtek LLC
1348 Busch Parkway
Buffalo Grove, IL 60089
USA

Telephone Number: (847) 279-1925

Date Prepared: February, 1995

Date Revised: June, 2003

Product Name: Carbon Bonded Carbon Fiber Insulation

OSHA PEL: 15 mg/m³

II. INGREDIENTS (INERT & HAZARDOUS)

<u>Composition</u>	<u>%</u>	<u>CAS #</u>
Carbon and/or	99+	7440-44-0
Graphite		7782-42-5

III. PHYSICAL DATA

Boiling point:	Sublimes (3,800 ⁰ C)	Melting point:	n/a
Evaporation rate:	0	Solubility in water:	insoluble
Vapor pressure:	n/a	Vapor density:	n/a
% volatiles by weight:	<0.01%	Specific gravity (H ₂ O=1):	0.17 - 0.28
Appearance:	gray-black fibrous	Odor:	none

IV. FIRE AND EXPLOSION DATA

Flash point:	n/a	Auto ignition temp:	n/a
Flammable limits in air:	n/a	Extinguishing media to avoid:	n/a
Extinguishing media:	water, CO ₂ , sand	Special firefighting procedures:	n/a

Unusual fire and explosion data:

Graphite and carbon dusts are normally not explosive, but these may weakly contribute if the event is initiated by another explosive dust or gas. Graphite and carbon dusts are electrically conductive; dust accumulations may cause electrical short circuits or other electrical malfunctions.

V. HEALTH HAZARD DATA

Primary route of exposure: inhalation of dust/fibers and skin contact

Effects of overexposure-

Eyes: at high dust levels, mechanical irritation
Breathing: Fibers from insulation are a possible very slight lung irritant under constant exposure.
Skin: itching of skin may be possible

First aid-

Eyes: flush with water if irritation occurs
Skin: wash with soap and water
Inhalation: none necessary
Ingestion: none necessary

Medical conditions recognized as possibly aggravated by exposure:

Individuals with pre-existing chronic respiratory impairments may be at increased risk of pneumoconiosis.

VI. REACTIVITY DATA

Hazardous polymerization: will not occur
Stability: stable
Incompatibility: none
Hazardous decomposition products: none

VII. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: use normal housekeeping practice

Waste disposal method:

Material may be bagged, and then disposed in an approved landfill. Do not incinerate, as this may cause airborne particles. Disposal must be in compliance with federal, state, and local laws and regulations.

VIII. PROTECTIVE EQUIPMENT TO BE USED

Respiratory protection: use approved respirator if exposure exceeds pel limits
Ventilation: local ventilation or dust collection recommended if dust level exceeds pel limits
Eye protection: goggles may be required on excessive exposure
Gloves: rubber gloves may be required on excessive exposure
Other protective equipment: exposed skin may need covering on excessive exposure

IX. SPECIAL PRECAUTIONS OR OTHER COMMENTS

None