

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

Company Name: St. Marys Carbon Company
Address: 259 Eberl Street
St. Marys, PA 15857
Telephone: (814) 781-7333
Prepared by: Phil Schlosser

Product Name: CARBON/GRAPHITE PRODUCTS

Chemical Name: MIXTURE

Date Prepared: 01/02/03

<u>Hazard Rating</u>				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
Health = 1		Fire = 0	Reactivity = 0	

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	C.A.S. NO.
CARBON/GRAPHITE	>90%	7740-44-0/7782-42-5
ADDITIVE	Trade Secret	N/A

SECTION III - OCCUPATIONAL EXPOSURE LIMITS

OSHA PEL: Graphite - 2.5 mg/cubic meter (respirable)

ACGIH TLV: Graphite - 2 mg/cubic meter (respirable)

CARCINOGEN: NTP - no IARC - no OSHA - no

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SECTION IV - HEALTH HAZARDS

Effects of exposure: Prolonged and repeated overexposure to dust may lead to pneumoconiosis. Dust particles may cause mechanical irritation to the eyes and skin. Individuals with pre-existing chronic respiratory impairment may be at increased risk of pneumoconiosis.

SECTION V - EMPLOYEE PROTECTION

Respiratory Protection: NIOSH approved respirator for dust if exposures are expected to exceed the PELs.

Eye Protection: Safety glasses with side shields if there is a danger of flying particles.

Protective Gloves: Recommended.

Other Protective Equipment: Normal work clothing.

Ventilation: At point of operation if machining or other dust-creating activities are performed.

SECTION VI - FIRST AID

Skin Contact: Wash affected area with soap and water especially before eating, smoking, and at the end of work shift.

Eye Contact: Do not rub eyes; immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation persists.

Inhalation: Remove to fresh air and administer artificial respiration if breathing has stopped; oxygen may also be administered. Seek medical attention.

Ingestion: Do not induce vomiting. Seek medical attention.

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SECTION VII - FIRE EXPLOSION DATA

Flash Point (method used): Does not flash

Flammable Limits: N/A **LEL:** **UEL:**

Extinguishing Media: Water fog, carbon dioxide, foam.

Special Fire Fighting Procedures: Use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Carbon/Graphite dust is normally not explosive, but it may weakly contribute if the event is initiated by another explosive dust or gas.

SECTION VIII - SPECIAL PRECAUTIONS

Precautions for Handling and Storing: Handle in a manner which minimizes airborne dust.

Other Precautions: Graphite dust is electrically conductive; dust accumulations may cause electrical short circuits or other malfunctions.

SECTION IX - ENVIRONMENTAL PROTECTION

Spill or Leak Procedures: Normal housekeeping practices; sweep, shovel, or vacuum clean-up with a HEPA filter.

Waste Disposal Method: Dispose of according to local, state, and federal regulations.

SECTION X - PHYSICAL DATA

Boiling Point (F) : N/A

Vapor Pressure (mm Hg) : N/A

Specific Gravity (H₂O=1) : 1.2 - 2.0

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Vapor Density (Air=1) : N/A
Evaporation Rate (Butyl Alcohol=1) : N/A
Solubility in Water : Insoluble
Percent Volatile by Volume : N/A
Appearance / Odor : Dark gray to black / no odor

SECTION XI - REACTIVITY DATA

[] Unstable [·] Stable **Hazardous**
Polymerization: [] May Occur [·] Will not occur

Conditions and Materials to Avoid: Strong oxidizers.

Hazardous Decomposition Products: Combustion produces carbon monoxide, carbon dioxide and oxides of phosphorus.

SECTION XII - REFERENCES

ACGIH: Documentation of Threshold Limit Values

OSHA: 29 CFR 1910.1000, Table Z-1

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