

# MATERIAL SAFETY DATA SHEET

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### SECTION I: IDENTIFICATION

**Company Name:** St. Marys Carbon Company      **Telephone:** (814) 781-7333  
**Address:** 1939 State Street      **Prepared by:** Phil Schlosser  
St. Marys, PA 15857

**Product Name:** CARBON/GRAPHITE PRODUCTS

**Chemical Name:** MIXTURE

**Date Prepared:** 01/02/03

**Replaces:** 01/21/02

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



Reactivity = 0

### SECTION II: HAZARDOUS INGREDIENTS

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

### 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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## 10

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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.

# MATERIAL SAFETY DATA SHEET

## 10

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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.

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## 10

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### SECTION X: PHYSICAL DATA

Boiling Point (F)	:	N/A
Vapor Pressure (mm Hg)	:	N/A
Specific Gravity (H <sub>2</sub> O=1)	:	1.2 - 2.0
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 and carbon dioxide gases.

### SECTION XII: REFERENCES

**ACGIH:**      Documentation of Threshold Limit Values

**OSHA:**      29 CFR 1910.1000, Table Z-1

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This is the end of MSDS 10.