

# 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, NATURAL	>90%	7740-44-0/7782-42-5
*SILICA, CRYSTALLINE QUARTZ	Not Determined	14808-60-7

## SECTION III - OCCUPATIONAL EXPOSURE LIMITS

**OSHA PEL:** Graphite -2.5 mg/cubic meter (respirable)  
Silica - 0.1 mg/cubic meter (respirable)

**ACGIH TLV:** Graphite -2 mg/cubic meter (respirable)  
Silica - 0.1 mg/cubic meter (respirable)

**CARCINOGEN:** NTP - no IARC - \*yes 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 (H<sub>2</sub>O=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 and carbon dioxide.

## 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 16.