

MATERIAL SAFETY DATA SHEET

19

SECTION I - IDENTIFICATION

Company Name: St. Marys Carbon Company
Address: 1939 State Street
St. Marys, PA 15857

Telephone: (814) 781-7333
Prepared by: Phil Schlosser

Product Name: CARBON PRODUCTS

Chemical Name: MIXTURE

EMERGENCY TELEPHONE #
CHEMTREC 1-800-424-9300

Date Prepared: 01/20/99

Replaces: 02/09/97

<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	>90%	7740-44-0
ADDITIVE	Trade Secret	N/A

SECTION III - OCCUPATIONAL EXPOSURE LIMITS

OSHA PEL: 2 mg/cubic meter (respirable)

ACGIH TLV: 2 mg/cubic meter (respirable)

CARCINOGEN: NTP - no IARC - no OSHA - no

MATERIAL SAFETY DATA SHEET

19

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

19

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 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: None.

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

MATERIAL SAFETY DATA SHEET

19

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 formaldehyde.

SECTION XII - REFERENCES

ACGIH: Documentation of Threshold Limit Values

OSHA: 29 CFR 1910.1000, Table Z-1

THIS PRODUCT SAFETY SHEET IS OFFERED SOLELY FOR YOUR INFORMATION, CONSIDERATION AND INVESTIGATION. THE INFORMATION AND DATA ARE TAKEN FROM SOURCES BELIEVED TO BE RELIABLE AND CORRECT, BUT CANNOT BE WARRANTED BY THE MANUFACTURER.

This is the end of MSDS 19.