

ASBURY GRAPHITE MILLS, INC.

MATERIAL SAFETY DATA SHEET

Hillman 703185

Hazard Communication Standard
29 CFR 1910, 1200.

TYPE: Natural Graphite, 85-98% Carbon

IDENTITY: Natural Graphite

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

SECTION I

Manufacturer's Name: Asbury Graphite Mills, Inc.

Emergency Telephone Number 908-537-2155

PO BOX 144, 405 OLD MAIN STREET

Telephone Number for Information 908-537-2155

ASBURY, NJ 08802

Date: January 10, 2005 Review Date: 1/2006

Prepared by: (optional) AVT

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Component(s) (Specific Chemical Identity, Common Name(s))	Other Limits		Recommended	% (optional)
	OSHA PEL	ACGIH TLV		
Graphite CAS NO. 7782-42-5	2.0 mg/m3		Respirable dust.	100

Silica CAS NO. 14808-60-7	0.05 mg/m3	Respirable dust	0.0-2.0
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California Proposition 65: Silica is listed on the California Proposition 65 as a cancer agent.

TSCA Status: Graphite is listed on the US EPA TSCA inventory

Canadian DSL Status: Graphite is listed on the Canadian Domestic Substance List

SECTION III - PHYSICAL CHEMICAL CHARACTERISTICS

Boiling Point: N/A	Specific Gravity (H2O = 1): 2.20 - 2.35
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Vapor Pressure (mm Hg.): N/A	Melting Point: N/A
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Vapor Density (AIR = 1): N/A	Evaporation Rate: (Butyl Acetate = 1) N/A
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Solubility in Water: Insoluble

Appearance and Odor: Grey to Black - No Odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A	Flammable Limits: N/A	LEL: N/A	UEL: N/A
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Extinguishing Media: Water

Special Fire Fighting Procedures: Spray with water.

Unusual Fire and Explosion Hazards: When exposed to extremely high energy ignition sources fine graphite and carbon powder can form explosive mixtures with air. Avoid contact between graphite or carbon dust clouds and high energy ignition sources.

HMIS RATING 110E

NFP RATING: 110

Stability: This material is stable.

Conditions to Avoid: None

Hazardous polymerization: This material will not polymerize.

Conditions to Avoid: None

Incompatibility (Materials to Avoid): Oxidizing Agents.

Hazardous decomposition or byproducts: CO₂, CO (carbon dioxide, carbon monoxide)

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? ☒ Skin? ☒ Ingestion?

Health Hazards (Acute and Chronic): Cases of pulmonary fibrosis, emphysema and corpulmonale may result from prolonged inhalation of dust (chronic). Minor skin and/or eye irritation may occur.

Carcinogenicity: Silica NTP? Yes IARC, Monographs? Yes OSHA Regulated? No

IARC Monograph Vol. 68, 1997, concludes that there is sufficient evidence that inhaled crystalline silica causes cancer in humans. IARC Classification Group I

Signs and Symptoms of Exposure: Inhalation - nose and/or throat irritation, shortness of breath.

Skin/Eyes - redness of skin, irritation of eyes.

Medical Conditions Generally Aggravated by Exposure Emphysema, Asthma, or other respiratory problems.

Emergency and First Aid Procedures Inhalation - Remove from dust area. Seek medical attention if symptoms persist.

Skin - Wash with mild soap and water. *

Eyes - Rinse eyes with sterile eye wash. *

* Seek medical attention if any irritation persists.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Sweep or vacuum.

Waste Disposal Method Dispose of in an approved manner based on federal/local regulations.

Precautions to be taken in handling and storing: Handle and transfer in a manner, which avoids excessive dusting. Store away from oxidizing agents.

Other Precautions: Graphite is a conductor of electricity. Exercise caution when handling graphite in areas where contact with electrical circuitry is possible.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): Use OSHA approved respirator for nuisance dust.

Ventilation:

Local Exhaust: To dust collector.

Special: None

Mechanical (General): To maintain dust level below ACGIH-TLV.

Other: None

Protective Gloves: Conventional work gloves.

Eye Protection Safety glasses.

Other Protective Clothing or Equipment: Not required.

Work Hygienic Practices: Keep work area clean. Use adequate dust collection/ventilation to maintain levels of dust below ACGIH-TLV.