

Material Safety Data Sheet

Mia 84 Graphite Powder

Date of Preparation: October 25, 2010

Section 1 Chemical Product and Company Identification

Product/Chemical Name: Mia 84 Graphite Powder
Chemical Family: Graphite
CAS Number: 7782-42-5
Other Designations: N/A
General Use: N/A
Manufacturer: Freeman Manufacturing and Supply Company, 1101 Moore Road, Avon, OH 44011
Phone (440) 934-1902, FAX (440) 934-7200, Hours of Operation 8-5,
Emergency phone number 1-800-424-9300

HMIS	
H	1
F	0
R	0
PPE Sec.8.	

Section 2 Composition/Information on Ingredients

Ingredient Name	CAS Number
Graphite	7782-42-5
Silica, crystalline	148080-60-7

Ingredient	OSHA PEL	ACGIH TLV
	Respirable	
Crystalline Silica	0.1 mg/m ³	.05 mg/m ³
Graphite	2.5 mg/m ³	2 mg/m ³

Section 3 Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

May cause eye and respiratory tract irritation. Possible cancer hazard

Potential Health Effects

Primary Entry Routes: Skin Contact, Inhalation

Inhalation: Acute If exposure limits are exceeded, the respiratory tract may become irritated. May cause shortness of breath, coughing and/or chest tightness due to temporary physical overloading of the lungs.

Inhalation: Chronic: Prolonged or repeated inhalation of dust may cause pulmonary fibrosis or emphysema. Possible lung cancer hazard.

Eye: May cause irritation on prolonged or repeated contact.

Skin: May cause irritation on prolonged or repeated contact.

Ingestion: No hazards known.

Carcinogenicity: IARC, and NTP, consider inhaled crystalline silica to be a human carcinogen. IARC classification is Group 1.

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Section 4 First Aid Measures

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen and/or artificial respiration.

Eye Contact. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get medical attention if irritation persists

Skin Contact: In case of irritation, flush with water..

Ingestion: If accidentally swallowed, dilute by drinking large quantities of water. In case of discomfort, obtain medical attention

Section 5 Fire Fighting Measures

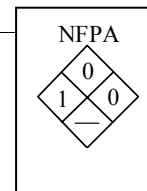
Flash Point: Not applicable

LEL: Not applicable

UEL: Not applicable

Extinguishing Media: All extinguishing substances suitable

Fire-Fighting Instructions: Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection



Section 6 Accidental Release Measures

Spill /Leak Procedures: Sweep or vacuum spills for recovery or disposal; avoiding creating dust conditions Use non-sparking tools. Provide good ventilation where dust conditions may occur.

Section 7 Handling and Storage

Handling Precautions: Avoid handling that will unnecessarily generate airborne dust. Graphite is a good conductor of electricity. Exercise caution when handling in areas where contact with electrical circuitry is possible.

Storage Requirements: Store at ambient temperatures in closed containers.

Section 8 Exposure Controls/Personal Protection

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits (see below). An eye wash station and safety shower should be located near the work-station.

Respiratory Protection: : Wear NIOSH approved respiratory protection where exposure limits are exceeded or in the absence of proper environmental control. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen.

Protective Clothing/Equipment:

Hand Protection: With product at ambient temperatures, use disposable nitrile, neoprene or butyl rubber gloves with repeated or prolonged use.

Eye Protection: With product at ambient temperatures, use safety glasses equipped with side shields.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

General Hygienic Practices: Avoid breathing dust, vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

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Section 9 Physical and Chemical Properties

Appearance and Odor: Gray black, odorless solid **pH:** Not applicable
Odor Threshold: Not applicable **Water Solubility:** Not applicable
Vapor Pressure: Not applicable **Boiling Point:** Not applicable
Vapor Density (Air=1): Not applicable **Freezing Point:** Not applicable
Specific Gravity (H₂O=1, at 4 °C): 1.8-2.25 **Evaporation Rate (Butyl Acetate=1):** Not applicable

Section 10 Stability and Reactivity

Stability: Stable at room temperature in closed containers under normal storage and handling conditions.
Polymerization: Hazardous polymerization will not occur.
Conditions to Avoid: None
Hazardous Decomposition Products: Carbon dioxide and carbon monoxide

Section 11 Toxicological Information

No known evidence of adverse effects from available information

Section 12 Ecological Information

No Known evidence of adverse effects from available information

Section 13 Disposal Considerations

Disposal: Use safety containers for disposal. Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations

Section 14 Transport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name Non-Regulated

Section 15 Regulatory Information

US Federal Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)
RCRA Hazardous Waste Classification (40 CFR 261.): Not classified
CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112: Not listed.
SARA 311/312 Codes: No hazard categories identified.
SARA Toxic Chemical (40 CFR 372.65): No components were identified
TSCA Inventory Status: All ingredients listed on TSCA inventory requirements.

State Regulations: Crystalline silica (airborne particles of respirable size) is listed as a carcinogen on California's Proposition 65.

Graphite (CAS # 7782-42-5) may be found on the Pennsylvania Right to Know List

Silica, crystalline (CAS # 14808-60-7) may be found on both the New Jersey and Pennsylvania Right to Know Lists

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Section 16 Other Information

Disclaimer: The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.