

# Material Safety Data Sheet

## Mia 63 Fumed Silica

Date of Preparation: May 21, 2009

### Section 1 Chemical Product and Company Identification

**Product/Chemical Name:** Mia 63 Fumed Silica  
**Chemical Family:** Silicon Dioxide  
**CAS Number:** 112945-52-5  
**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	
<b>H</b>	1
<b>F</b>	0
<b>R</b>	0
<b>PPE</b> Sec.8.	

### Section 2 Composition/Information on Ingredients

Ingredient Name	CAS Number
Silicon Dioxide, Fumed	112945-52-5

Ingredient	OSHA PEL	ACGIH TWA	
	TWA	Inhalable Dust/mist	Respirable dust/mist
Silicon Dioxide, Fumed	0.8 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>

### Section 3 Hazards Identification

#### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

May cause eye and respiratory tract irritation.

#### Potential Health Effects

**Primary Entry Routes:** Skin Contact

**Inhalation:** Not expected to be harmful under normal conditions of use. However, if allowed to become airborne, may cause irritation of nose, throat, and lungs.

**Eye:** May cause irritation on prolonged or repeated contact.

**Skin:** May cause irritation on prolonged or repeated contact.

**Ingestion:** No hazards known.

**Carcinogenicity:** IARC, NTP, and OSHA do not list this material as carcinogenic

### 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

## Mia 63 Fumed Silica

### Section 5 Fire Fighting Measures

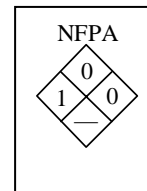
**Flash Point:** Not applicable

**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. Provide good ventilation where dust conditions may occur.

### Section 7 Handling and Storage

**Handling Precautions:** Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Wash thoroughly after handling. Always use appropriate Personal Protective Equipment (PPE).

**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.

### Section 9 Physical and Chemical Properties

**Appearance and Odor:** White, odorless solid

**Odor Threshold:** Not applicable

**Vapor Pressure:** Not applicable

**Vapor Density (Air=1):** Not applicable

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.09

**pH:** Not applicable

**Water Solubility:** Not applicable

**Boiling Point:** Not applicable

**Freezing Point:** Not applicable

**Evaporation Rate (Butyl Acetate=1):** Not applicable

## Mia 63 Fumed Silica

### 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:** None.

### 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:** Dispose of in safety containers as a solid water material. 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:** This product is not known to contain any components for which the State of California has found to cause cancer, birth defects or other reproductive harm.

Fumed silica may be found on the New Jersey Right to Know list.

### Section 16 Other Information

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