

Section 1 Identification

Product identifiers

Product name: Mia 65 Glass Bubbles

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Very lightweight, hollow glass spheres that may be added to epoxy, urethane, or polyester resins to make them lighter in weight, shrink less, and machine easier.

Details of the supplier of the safety data sheet

Freeman Manufacturing & Supply Company
1101 Moore Road, Avon, OH 44011 USA
Telephone +1 440-934-1902
Email: contactus@freemansupply.com

Emergency telephone number
CHEMTREC (800) 424-9300

Section 2 Hazards Identification

Classification of the substance or mixture

GHS Classification: Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not applicable

Hazards not otherwise classified (HNOC) or not covered by GHS

None known

Section 3 Composition/Information on Ingredients

Ingredient Name	CAS Number	% w/w
Amorphous Sodium Borosilicate	50815-87-7	> 99.9
Anticaking agent	Proprietary	< 0.1

No ingredients are hazardous according to OSHA criteria.

No components need to be disclosed according to the applicable regulations.

Section 4 First Aid Measures

Description of first aid measures

If inhaled: Move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact: Wash off with soap and plenty of water.

In case of eye contact: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If symptoms persist, obtain medical attention.

If swallowed: Do not induce vomiting. Get immediate medical advice/attention.

Most important symptoms and effects, both acute and delayed

Dust may cause irritation

Indication of any immediate medical attention and special treatment needed

Flush the contaminated area of body with large amounts of water.

Section 5 Fire Fighting Measures

Extinguishing media

Use media appropriate for surrounding fire.

Special hazards arising from the substance or mixture

Nature of decomposition products not known.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Wear suitable protective clothing. Wear eye/face protection. An approved dust mask should be worn if dust is generated during handling. For personal protection see section 8.

Environmental precautions

Prevent entry to sewers and public waters. Floats on water.

Methods and materials for containment and cleaning up

Caution - spillages may be slippery. Avoid generation of dust. Use vacuum equipment for collecting spilt materials, where practicable. Transfer to a container for disposal or recovery.

Section 7 Handling and Storage

Precautions for safe handling

Avoid contact with eyes, skin, and clothing. Avoid generation of dust. Wear protective equipment to comply with good occupational hygiene practice. Wash thoroughly after handling. Do not eat, drink, or smoke at the work place.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed and dry. In case of high humidity or storage for extended periods of time, use plastic bags to enclose product containers to avoid caking.

Section 8 Exposure Controls/Personal Protection

Components with workplace control parameters

Substance	OSHA PEL 8h TWA	ACGIH TLV 8h TWA	UK EH40 WEL 8h TWA
Total Dust (nuisance)	15 mg/m ³	10 mg/m ³	10 mg/m ³
Respirable fraction	5 mg/m ³	3 mg/m ³	4 mg/m ³

Appropriate engineering controls

Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits. Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.

Personal protective equipment

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

Skin protection: With product at ambient temperatures, use disposable nitrile, neoprene or butyl rubber gloves with repeated or prolonged use. Wear appropriate clothes if there is potential for skin irritation from dust.

Respiratory Protection: The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. Wear suitable respiratory protective equipment if working in confined spaces with inadequate ventilation or where there is any risk of the exposure limits being exceeded.

Safety Stations

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities

General Hygienic Practices

Avoid breathing dust. 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

Information on basic physical and chemical properties

Appearance	White Powder
Odor	None
Odor Threshold	Not applicable
pH	Not applicable
Melting Point	No data available
Initial boiling point & boiling range	Not applicable
Flash Point(COC)	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper/lower flammability	Not applicable
Vapor Pressure	Not applicable
Vapor density	Not applicable
Relative density (g/cc)	0.19
Water Solubility	No data available
Coefficient: n-octanol/ water	No data available
Auto-ignition temperature	Not applicable
Viscosity	Not applicable
Explosive Properties	None
Oxidizing Properties	None
% Volatile	0

Section 10 Stability and Reactivity

Reactivity: Hazardous reactions will not occur under normal conditions.
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: None.
Conditions to avoid: None known.
Incompatible materials: Strong acids.
Hazardous decomposition products: None known.

Section 11 Toxicological Information

Information on toxicological effects

Acute toxicity: Avoid ingestion. May be harmful if swallowed
Inhalation: When a similar material was tested for respiratory toxicity in a 6-month intratracheal study in rats, no mortalities, untoward reaction, or observation correlated with exposure to the material. Minimal multifocal inflammation of the lung occurred in 90% of males and 80% of females. No appreciable increase in fibrous tissue was present in these lesions.
Skin Contact: When tested for primary irritation potential, this material caused mild eye irritation and slight skin irritation.
Eye Contact: When tested for primary irritation potential, this material caused mild eye irritation and slight skin irritation.
Sensitisation: Not a skin sensitizer.
Carcinogenicity: IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen.

Section 12 Ecological Information

Toxicity: No data available.

Section 12 Ecological Information

The following data is reported for sodium silicates: a 96 hour median tolerance for fish (*Gambusia affinis*) of 2320 ppm; a 96 hour median tolerance for water fleas (*Daphnia magna*) of 247 ppm.

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT & vPvB assessment: Not classified as PBT or vPvB

Section 13 Disposal Considerations

Disposal

The waste is considered to be non hazardous. Disposal should be in accordance with local, state or national legislation.

Section 14 Transport Information

DOT: Not classified as hazardous for transport

IATA: Goods are not regulated for transport

International Maritime Dangerous Goods (IMDG): Not classified as hazardous

ADR/RID: Not classified as dangerous for transport.

Section 15 Regulatory Information

Inventories

TSCA Inventory Status: Reported/Included.

AICS Inventory Status: Reported/Included.

DSL/NDSL Inventory Status: Reported/Included.

U.S. Federal Regulations

SARA 311/312 Codes: No hazard categories identified

SARA Toxic Chemical (40 CFR 372.65): No components were identified

U.S State Regulations

California Proposition 65: Not listed. The silica in Mia 65 is amorphous, not crystalline (i.e., not quartz).

It is not a potential silicosis or cancer suspect.

German Water Hazard Classification VwVwS

WGK class 1 (low hazard to water). 1,0,0

Section 16 Other Information

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