

Material Safety Data Sheet

Section 1: Identification

Suppliers Name: Scientific Industries.
Emergency Tel: 631-567-4700
Address: 70 Orville Dr.
Bohemia, NY 11716
Product Name: Disruptor Beads
Part numbers: SI-BG01 (Disruptor Beads, 0.1mm, 375g)
SI-BG05 (Disruptor Beads, 0.5mm, 375g)
Chemical Name: Lead Free Soda Lime Glass (100%)



Section 2 Composition

Component Name: Soda Lime Glass(100% Percent)

Section 3: Hazard Identification

Eye: Possible irritant
Skin: Possible irritant
Ingestion: Not known
Inhalation: Possible lung irritant
Chronic: If inhaled in large quantities, may cause reversible lung damage.

Section 4: First Aid Measures

Eyes: In case of contact with eye, wash with copious amounts of water. If irritation occurs, seek medical attention.
Skin: Wash thoroughly with soap and water. If irritation occurs, seek medical attention.
Ingestion: Drink one to two glasses of water and seek medical attention.
Inhalation: Remove to fresh air and seek medical attention.
Notes to Physician: Treat symptomatically and supportively.

Section 5: Fire Fighting Measures

General Information: Not considered flammable or explosive.
Extinguishing Media: Use extinguishing media appropriate to the surrounding fire conditions.

Section 6: Accidental Release Measures

General Information: Areas covered with spilled microspheres will be slippery. Absorb spilled material with paper towels or disposable wipes and place in suitable container for appropriate disposal. Avoid inhaling fine particle dust.

Section 7: Handling and Storage

Handling: Use general good chemical laboratory practice, including safety glasses and protective gloves/clothing. Keep away from food. Avoid inhaling dust.

Storage: Keep tightly sealed. Store at room temperature in dry area. Avoid damaging or puncturing containers.

Section 8: Exposure Controls and Personal Protection

Engineering Controls: Use minimal and directional (away) airflow to minimize worker exposure.

Personal Protective Equipment

Eyes: Safety glasses with side shields

Skin: Powder-free latex or vinyl gloves

Occupational Exposure Limits: None established by OSHA or ACGIH. However, for "Particulates Not Otherwise Classified", the ACGIH TLV is 10 mg/m³, the OSHA PEL is 15 mg/m³ for total dust and 5 mg/m³ for respirable dust, the CalOSHA PEL is 10 mg/m³ for total dust, and the CalOSHA PEL for respirable dust is 5 mg/m³.

Respirators: Use NIOSH or European Standard EN149 approved respirator for dust or aerosol generation.

Section 9: Physical and Chemical Properties

Physical State: solid

Appearance: White/clear powder

Odor: odorless

pH: Not available

Vapor Pressure: Negligible

Vapor Density: Negligible

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: Not applicable

Melting (Softening) Point: 590–750°C (depending on product)

Autoignition Temperature: Not available

Flash Point: Not available

Decomposition Temperature: Not available

Explosion Limits:

Lower: Not available

Upper: Not available

Solubility in water: Insoluble

Specific Gravity/Density: 1.7 – 2.5 g/ml

Molecular Formula: Not applicable

Molecular Weight: Not applicable

Section 10: Stability and Reactivity

Chemical Stability: Stable

Incompatibility with Other Materials: None known

Hazardous Decomposition of Products: Not known

Hazardous Polymerization: Will not occur

Section 11: Toxicological Information

Caution: May cause lung irritation if inhaled. No Occupational Exposure Limits established by OSHA or ACGIH.

Section 12: Ecological Information

No data available.

Section 13: Disposal Considerations

Dispose of in accordance with all federal, state and local regulations.

RCRA P-Series: Not available

RCRA U-Series: Not available

Section 14: Transport Information

US DOT Hazard Class: Not classified.

IATA (for international shipments): Not classified.

Section 15: Regulatory Information

United States:

TSCA

All components are listed in the TSCA Inventory.

Hazard Labeling: None

California Proposition 65: Not listed.

European/International Regulations:

European Labeling in Accordance with EC Directives

Hazard Symbols: None

Risk Phrases: None

Safety Phrases: None

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