

# Material Safety Data Sheet

## Section 1: Identification

**Suppliers Name:** Scientific Industries.  
**Emergency Tel:** 631-567-4700  
**Address:** 80 Orville Dr. Ste. 102  
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%)



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## Section 2 Composition

**Component Name:** Soda Lime Glass(100% Percent)

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## 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.

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## 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.

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## Section 5: Fire Fighting Measures

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

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## 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.

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## 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.

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## 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/m<sup>3</sup>, the OSHA PEL is 15 mg/m<sup>3</sup> for total dust and 5 mg/m<sup>3</sup> for respirable dust, the CalOSHA PEL is 10 mg/m<sup>3</sup> for total dust, and the CalOSHA PEL for respirable dust is 5 mg/m<sup>3</sup>.

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

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## 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

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## 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

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## Section 11: Toxicological Information

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

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## Section 12: Ecological Information

No data available.

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## 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

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## Section 14: Transport Information

**US DOT Hazard Class:** Not classified.

**IATA (for international shipments):** Not classified.

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## 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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