

Hillcrest Industries, Inc.

Product Data Sheet

Glass Beads

Product Name: *Glass Beads, Reflective Beads, Blasting Beads*

Manufacturer: *Hillcrest Industries, Inc.*

Address: *40 Favor St, Attica, NY 14011*

Emergency Tel. No.: *585-591-1182*

Available Sizes & Grades:	<u>Type</u>	<u>Mesh</u>
	B13	170-325
	B11	120-200
	B10	100-170
	B9	80-140
	B8	70-100
	B7	60-80
	B6	50-70
	B5	40-60
	B4	30-40

Specifications:	<u>Name</u>	<u>Percentage</u>
	Silicon Dioxide	72%
	Sodium Oxide	13%
	Calcium Oxide	5%
	Magnesium Oxide	4%
	Potassium Oxide	3%
	Aluminum Oxide	1%

Characteristics: *Appearance: White and colored powder*

Odor: Odorless

Bulk Density: 1.5-1.6 g/cm

Specific Gravity: 2.46-2.49 G/CC

Shape: Round/Spherical

Solubility: Insoluble

Other Characteristics: Softening Point 730⁰ C

Packaging: *50 # bags, 2200 # Super Sacs*

Hillcrest Industries, Inc.

MATERIAL SAFETY DATA SHEET (MSDS)

Glass Beads

(INDEX #1205-4)

HMIS RATING: 0,0,0

Section I - Identification of Product

Manufacturer: HILLCREST

Address: 40 Favor Street, Attica, NY 14011

24-Hour Emergency Tel. No.: 585-591-1182

Sales Name: Glass Beads, Reflective Beads, Blasting Beads

Chemical Name: Glass Oxide

Components: Soda-Lime Glass

TSCA Cas Registry No: 65997-17-3

DOT Hazard Class: N. A.

DOT Shipping Name: N. A.

Section II - Chemical and Physical Data

Appearance and Odor: Odorless white and colored powder

Specific Gravity: 2.46 - 2.49 G/CC

Solubility in water: Insoluble

PH (Aqueous liquids only): N. A.

Other characteristics: Softening point 730 C

Section III - Fire and Explosion Hazard Data

Flash point (F): Noncombustible and Nonflammable

Fire extinguishing media: N. A.

Special fire fighting procedures: N. A.

Unusual fire and explosion hazards: None

Section IV - Reactivity Data

Stability: Stable

Conditions to avoid: None

Incompatibility (materials to avoid): Hydrofluoric acid

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur

Section V - Spill or Leak Procedures

Environmental Hazards: No adverse effects known or suspected. Not an RCRA hazardous substance or OSHA hazardous chemical. Does not contain a listed toxic chemical under SARA Title III 302, 304, or 313.

Spillage: Sweep up and discard.

Wastes Disposal Method: Landfill according to local, state, and federal regulations.

Other Precautions: Spillage may result in slippery conditions.

Section VI - Health Hazard Data

Health Hazards: Dust in excess of recommended exposure limits may result in irritation to the respiratory tract.

Route(s) of Entry: Inhalation

Carcinogenicity: Not listed under NIP, IARC monographs or OSHA.

Medical Conditions: Chronic lung conditions may be aggravated by exposure to high concentrations of dust.

Emergency and First Aid Procedures: Remove to fresh air.

Other Characteristics: Contains no free silica: all components amorphous/non-crystalline.

Section VII - Special Protection Information

Respiratory Protection: Use NIOSH approved dust mask or respirator where airborne dust is generated. Observe OSHA regulations for respirator use.

Gloves: None required.

Eye Protection: NIOSH approved safety glasses or goggles

Other Protective Equipment: None required

Personal Hygiene: Avoid breathing dust. Avoid contact with eyes. Wash eyes out immediately after contact.

Engineering Control: Local exhaust is recommended for operations that generate nuisance dust in excess of OSHA exposure limit.

Section VIII - Substances For Which Standards Have Been Set

Components: Glass Oxide, C. A. S. No. 65997-17-3

Percentage: 100%

OSHA Exposure Limit: Nuisance Dust: OSHA PEL 15 mg/m³, ACGIH TLV 10 mg/m³.

Respirable Fraction: OSHA PEL 5 mg/m³, ACGIH TLV 5 mg/m³.

Exposure Analysis Method: NIOSH Manual of Analytical Methods, 3rd. Method 7501 (1984)

Section IX - Source of Information

Peter M. Tarnawskyj, Q.E.P.

Date: 07/28/2010

N.A. - Not Applicable