

MATERIAL SAFETY DATA SHEET

Rev. Jan. 2012
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1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: **GLASS BEADS, SOLID GLASS SPHERES,
HOLLOW GLASS SPHERES, CRUSHED GLASS (CULLET)**

Chemical Family: Glass Oxide

Chemical Name: Soda-Lime Glass

**Composition Materials Co., Inc. – 249 Pepes Farm Road - Milford, CT 06460
Phone - 203-874-6500 Fax - 203-874-6505**

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS # 65997-17-3 HMIS: Health 0 Flammability: 0 Reactivity: 0

Composition (non-hazardous):

Silicon Dioxide - 72.5%
Aluminum Oxide - 0.4%
Calcium Oxide - 9.75%
Sodium Oxide - 13.7%

Magnesium Oxide - 3.3%
Potassium Oxide - 0.1%
Other Oxides - less than 1%

	OSHA/PEL	ACGIH/TLV
Nuisance dust	15mg/m ³	10mg/m ³
Nuisance dust-respirable	5mg/m ³	5mg/m ³

Note: Soda-lime plate glass is used in the manufacture of glass beads. The composition of this material is an amorphous fusion of these oxides and are not crystalline types of free oxides (silica). Therefore, no danger of silicosis exists.

3. HAZARDS IDENTIFICATION

Material is white, odorless, tasteless.

Avoid creating airborne dust.

Spilled material can be slippery and cause falls if walked on.

Potential Health Effects

EYE: Solid or dusts may cause irritation or scratch the surface of the eye.

CARCINOGENICITY: This product is not listed as a potential carcinogen in either the NTP, IARC or OSHA.

EFFECTS OF OVEREXPOSURE: Overexposure may cause temporary respiratory and eye irritation, and can aggravate existing respiratory conditions and eye irritation.

CHRONIC HEALTH EFFECTS: None known.

4. FIRST AID MEASURES

EYES: Flush the affected eye(s) with water or commercial eye wash. If unable to remove bead/dust by this method, seek medical care.

SKIN: Wash thoroughly with soap and water.

INHALATION: Remove to uncontaminated area - fresh air. Call physician if irritation persists.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: N/A

FLAMMABLE LIMITS: Does not ignite. **LEL:** N/A **UEL:** N/A

EXTINGUISHING MEDIA: Not a fire hazard.

SPECIAL FIRE FIGHTING PROCEDURES: Not required.

UNUSUAL FIRE & EXPLOSION HAZARDS: None

6. ACCIDENTAL RELEASE MEASURES

Vacuum or sweep up excess material to avoid a possible slipping hazard. Avoid excessive dusting.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes. Use in a well-ventilated area.

STORAGE: Store in closed, properly labeled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Mechanical ventilation and local exhaust as required for nuisance dust.

RESPIRATORY PROTECTION: Use NIOSH approved dust respirator.

SKIN PROTECTION: Use rubber gloves as required per job. Wash thoroughly before eating, smoking, applying cosmetics, etc. Launder work clothing before reuse.

EYE PROTECTION: Safety glasses/goggles for dust.

OTHER PROTECTIVE EQUIPMENT: None

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: Above 1100° F

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE: N/A

SPECIFIC GRAVITY (H₂O=1): 0.1 - 2.6

ODOR: No Odor

APPEARANCE: White powder, beads, particles

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY(CONDITIONS TO AVOID): None

INCOMPATIBILITY: Concentrated Hydrofluoric acid.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

HAZARDOUS POLYMERIZATION: Will not Occur.

STABILITY: Stable

11. TOXICOLOGICAL INFORMATION

N/A

12. ECOLOGICAL INFORMATION

Non-hazardous. Always comply with Federal, State and Local environmental regulations.

13. DISPOSAL CONSIDERATIONS

This material is considered to be non-hazardous by the EPA under 29CFR 1910.1200, and if disposed as waste, the RCRA status of UNUSED material is non-hazardous according to the list of CERCLA chemicals. If permitted by applicable Federal, State and Local regulation, glass beads can be disposed of in a solid waste landfill.

14. TRANSPORT INFORMATION

DOT: Not Regulated. NMF CLASSIFICATION: Item 87660

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

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