SAFETY DATA SHEET

CenoStar Corporation - Safety Data Sheet - Glass Microspheres (Glass Bubbles)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1:1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Hollow Glass Spheres (Glass Bubbles) - All Types
Distributor: CenoStar Corporation
Address: Suite #133
          25 Storey Ave
          Newburyport, MA 01950
          USA
Telephone: 978-465-2705
Document: STD_HGS_MSDS
Date Prepared: October 20, 2006

<table>
<thead>
<tr>
<th>Revision History</th>
<th>Date</th>
<th>Reason:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version 1</td>
<td>August 13, 2013</td>
<td>Initial version</td>
</tr>
<tr>
<td>Version 3</td>
<td>February 17, 2017</td>
<td>Update</td>
</tr>
</tbody>
</table>

SECTION 2: COMPONENT INFORMATION

2.1. Hazard classification

2.2. Label elements
Signal word
Not applicable.

Symbols
Not applicable.

Pictograms
Not applicable.

2.3. Hazards not otherwise classified
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None.

SECTION 3: HAZARD IDENTIFICATION

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>C.A.S. No.</th>
<th>% by Wt</th>
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<tr>
<td>Soda Lime Borosilicate Glass</td>
<td>65997-17-3</td>
<td>97 - 100</td>
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<tr>
<td>Synthetic Amorphous Crystalline-Free Silica</td>
<td>7631-86-9</td>
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</tbody>
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SECTION 4: FIRST AID

4:1 Ingestion: Wash out mouth with water
4:2 Inhalation: Remove from exposure to fresh air. Consult doctor if necessary
4:3 Contact with Skin: Wash off with soap and water
4:4 Contact with Eyes: Wash out with plenty of soap and water. Consult doctor if necessary

SECTION 5: FIRE FIGHTING MEASURES & EXPLOSION DATA

5:1 Extinguishing Media: Usual extinguishing media
5:2 Hazardous thermal decomposition: Emits toxic fumes under fire conditions
5:3 Protection for fire fighters: Self-contained breathing equipment
5:4 Special hazard arising from the substance or mixture: None inherent in this product.

SECTION 6: ACCIDENTAL SPILLAGE MEASURES

6:1 Personal Precautions: Use appropriate protective clothing and equipment
6:2 Waste Disposal: Collect spillage in sealed container for onward disposal. Prevent creation of dust
6:3 Methods and Material for Containment: Collect as much of the spilled material as possible. Use Wet sweeping compound or water to avoid dusting. Sweep up. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the Container. Dispose of collected material as soon as possible

SECTION 7: HANDLING AND STORAGE

7:1 Handling: Avoid generation of dust
7:2 Precautions for safe handing: For industrial or professional use only. Avoid breathing Dust/fume/gas/mist/vapor/spray. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling.
7:2 Storage: Store in closed containers and away from flammable Substances

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8:1 Eye Protection: Safety goggles
8:2 Hand Protection: Rubber coated gloves
8:3 Hygiene Measures: When using avoid eating, drinking, and smoking
8:4 Respiratory system: Dust Mask
8:5 Environment: Ventilation required to minimize dust exposure
SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

9:1 Appearance: White free flowing powder
9:2 Odor: Odorless
9:3 Specific Gravity: 0.15-0.60
9:4 Density: 0.15-0.60
9:5 Softening Point: >=600°C

SECTION 10: STABILITY & REACTIVITY

10:1 Stability: Stable
10:2 Conditions to avoid: Strong oxidizing agent. Hydrogen Fluoride. Hazardous combustion or decomposition products, Silicon Oxide

SECTION 11: TOXICOLOGICAL INFORMATION

11:1 Oral: May be harmful if swallowed
11:2 Eye irritation: Irritation
11:3 Skin irritation: Irritation, Maybe harmful if absorbed through skin
11:4 Inhalation: Irritation to mucous membranes and upper respiratory Tract

SECTION 12: TOXICOLOGICAL INFORMATION

12:1 Mobility: N/A
12:2 Persistence and degradability: N/A
12:3 Bio-accumulative potential: N/A
12:4 Ecotoxicity: N/A

SECTION 13: DISPOSAL

13:1 Product Disposal: According to local legislation

SECTION 14: TRANSPORT INFORMATION

14:1 Classification: Not restricted

SECTION 15: REGULATORY INFORMATION

15:1 R-Phrase(s): 36/37/38
15:2 S-Phrase(s): 26 36
15:3 TLV and Source for Nuisance particulate: ACGIH TLV-TWA- 10mg/M³
OSHA PEL- 8h TWA 15mg/M³ Total dust
OSHA PEL- 8h TWS 5mg/M³ respirable fraction

15:4 Reviews, Standards & Regulations: OEL+MAK
ACGIH TLV - Confirmed animal carcinogen.
DTLV* TLV/BEI, 1999
ACGIH TLV - Not Classified as a human carcinogen
SECTION 16: OTHER INFORMATION

16:1 Issue date :15.05.06
16:2 Author :Roger W. Foster
16:3 Other information

The above information is BELIEVED to be correct but does not purport to be all-inclusive and should only be used as a guide. CenoStar shall not be held liable for any damage resulting from handling or from contact with the above product.

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