SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
Product Name: Sphericel® Hollow Glass Spheres

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified use(s): Used as functional fillers and additives in various industrial applications, plastics, paints & coatings, composites and thermoset systems.
Uses advised against: Not available.

1.3 Details of the supplier of the safety data sheet
Company Identification: Potters Industries LLC
P. O. Box 841
Valley Forge, PA 19482 USA
Telephone: +1 610-651-4700
E-Mail (competent person): sds.uk@pqcorp.com

1.4 Emergency telephone number
Emergency Phone No.: Potters Industries LLC +1 610-651-4200
ChemTrec (800) 424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
GHS Classification: Not classified as dangerous for supply/use.
EC Classification: Not classified as dangerous for supply/use.

Hazard summary: Dust may cause irritation. Spilled material can make floors slippery.

Hazard pictogram(s)

Signal word(s): Not applicable.
Hazard statement(s): Not applicable.
Precautionary statement(s): Not applicable.

2.3 Other hazards: Not classified as PBT or vPvB.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
<th>EINECS No. / REACH Registration</th>
<th>Hazard symbol(s) and hazard statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass oxide; Glass</td>
<td>100</td>
<td>65997-17-3</td>
<td>2660460</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
Eye Contact
Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If symptoms persist, obtain medical attention.

Skin Contact
Wash affected skin with plenty of water. If symptoms occur obtain medical attention.

Inhalation
In case of accident by inhalation: remove casualty to fresh air and keep at rest. If symptoms develop, obtain medical attention.

Ingestion
Do not induce vomiting. Get immediate medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed
Dust may cause irritation. Spilled material can make floors slippery. Dust may cause discomfort and mild irritation.

4.3 Indication of any immediate medical attention and special treatment needed
Flush the contaminated area of body with large amounts of water.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media
Suitable Extinguishing Media
As appropriate for surrounding fire.

Unsuitable extinguishing Media
Non-combustible.

5.2 Special hazards arising from the substance or mixture
Spilled material can make floors slippery.

5.3 Advice for fire-fighters
Spilled material can make floors slippery.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear suitable protective clothing. Wear eye/face protection.

6.2 Environmental precautions
Prevent entry into drains.

6.3 Methods and materials for containment and cleaning up
Caution - spillages may be slippery. Avoid generation of dust. Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal.

6.4 Reference to other sections
Not applicable.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with eyes, skin and clothing. Avoid generation of dust. Wash thoroughly after handling. Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the work place.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed and dry.

7.3 Specific end use(s)
Not applicable.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>Occupational Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass oxide; Glass</td>
<td>No Occupational Exposure Limit assigned. 15mg/m3 total dust</td>
</tr>
<tr>
<td></td>
<td>5mg/m3 respirable (Particulates Not Otherwise Regulated)</td>
</tr>
</tbody>
</table>

8.2 Exposure controls
8.2.1 Appropriate engineering controls
Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.

8.2.2 Personal Protection
Respiratory protection
Wear suitable respiratory protective equipment if working in confined spaces with inadequate ventilation or where there is any risk of the exposure limits being exceeded.

Eye/face protection
Goggles.

Skin protection
Wear suitable protective clothing and gloves. For example cotton or rubber.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Appearance
Powder. White.
Odour
Odourless.
Odour Threshold (ppm) Not applicable.

9.2 Other information
Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
Avoid contact with strong acids

10.2 Chemical stability
Stable.

10.3 Possibility of hazardous reactions
Not applicable.

10.4 Conditions to avoid
Not applicable.

10.5 Incompatible materials
Not available.

10.6 Hazardous decomposition product(s)
None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity
Ingestion
The acute oral toxicity of this product has not been tested. A similar material was nontoxic to rats at 5,000 mg/kg.

Inhalation
Inhalation may cause irritation to the mucous membranes.

Skin Contact
Dust may cause mechanical irritation.

Eye Contact
Dust may cause mechanical irritation.
Skin corrosion/irritation
Serious eye damage/irritation
Sensitisation
Mutagenicity
Carcinogenicity
Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
Aspiration hazard
Other information

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
No environmental hazards have been reported or known.
12.2 Persistence and degradability
This material is persistent but inert in aquatic systems. It will not bioconcentrate up the food chain.
12.3 Bioaccumulative potential
No data.
12.4 Mobility in soil
No data.
12.5 Results of PBT and vPvB assessment
Not classified as PBT or vPvB.
12.6 Other adverse effects
Not applicable

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Product as supplied: The waste is considered to be non hazardous. Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number
Not applicable.
14.2 Proper Shipping Name
NOT CLASSED AS DANGEROUS FOR TRANSPORT.
14.3 Transport hazard class(es)
Not applicable.
14.4 Packing group
Not applicable.
14.5 Environmental hazards
Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
TSCA Inventory Status: Reported/Included.
AICS Inventory Status: Reported/Included.
DSL/NDSL Inventory Status: Reported/Included.
There is no CERCLA Reportable Quantity for this material.
Contains no SARA Title III, Section 313 notification chemical present at or above the deminimus concentration.
German Water Hazard Classification VwVwS: WGK class 1 (low hazard to water).
HMIS: 0,0,0

SECTION 16: OTHER INFORMATION

This SDS was last reviewed: 10/2014
The following sections contain revisions or new statements: All sections.
Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Potters Industries gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Potters Industries accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.