



SPHERIGLASS® SOLID GLASS SPHERES

# SAFETY DATA SHEET

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

**1.1 Product identifier**

Product Name **SPHERIGLASS® SOLID 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.

**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.

Hazards summary Dust may cause irritation. Spilled material is slippery.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient(s)      | %W/W | CAS No.    | EINECS No. / REACH Registration | EC Classification and Risk Phrases |
|--------------------|------|------------|---------------------------------|------------------------------------|
| Glass oxide; Glass | 100  | 65997-17-3 | 2660460                         | Not applicable.                    |

## 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 is slippery. Dust may cause discomfort and mild irritation.

## SECTION 5: FIRE-FIGHTING MEASURES



- 5.1 Extinguishing media
  - Suitable Extinguishing Media As appropriate for surrounding fire.
  - Unsuitable extinguishing Media None known.
- 5.2 Special hazards arising from the substance or mixture Non-combustible.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions, protective equipment and emergency procedures Wear suitable protective clothing. Wear eye/face protection.
- 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. Keep container tightly closed and dry.
- 7.2 Conditions for safe storage, including any incompatibilities
- 7.3 Specific end use(s) Not applicable.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1 Control parameters

| SUBSTANCE          | Occupational Exposure Limits   |
|--------------------|--|
| Glass oxide; Glass | No Occupational Exposure Limit assigned. 15mg/m3 total dust<br>5mg/m3 respirable<br>(Particulates Not Otherwise Regulated) |

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 Glass Powder . White.
- Odour Odourless.
- Odour Threshold (ppm) Not applicable.
- pH (Value) Not applicable.



**SPHERIGLASS® SOLID GLASS SPHERES**

|                                |                  |
|--------------------------------|------------------|
| Freezing Point (°C)            | Not applicable.  |
| Melting Point (°C)             | Approx 730 C     |
| Boiling Point (°C)             | Not applicable.  |
| Flash Point (°C) [Closed cup]  | Not applicable.  |
| Evaporation rate               | Not applicable.  |
| Flammability (solid, gas)      | Non-combustible. |
| Vapour Pressure (mm Hg)        | Not applicable.  |
| Vapour Density (Air=1)         | Not applicable.  |
| Solubility (Water)             | Insoluble.       |
| Partition Coefficient          | Not applicable.  |
| Auto Ignition Point (°C)       | Not applicable.  |
| Decomposition Temperature (°C) | Not applicable.  |
| Viscosity (mPa. s)             | Not applicable.  |
| Explosive properties           | Not applicable.  |
| Oxidising Properties           | Not applicable.  |

**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.                 |
| 10.6 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.

**Sensitisation**

Not sensitising.

**Carcinogenicity**

There are no known reports of carcinogenicity of nonfibrous glass. Components are not listed by IARC, NTP or OSHA as carcinogens.

**Reproductive toxicity**

No evidence of reproductive effects.

**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.

**12.5 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.



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## **SECTION 14: TRANSPORT INFORMATION**

14.2 Proper Shipping Name      NOT CLASSED AS DANGEROUS FOR TRANSPORT.

## **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 de minimus 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.

EC Classification No. 67/548/EEC      Not classified as dangerous for supply/use.

GHS Classification      Not classified as dangerous for supply/use.

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