

**SPHERIGLASS® SOLID GLASS SPHERES**

ACCORDING TO US CFR 1910.1200

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Product Name	SPHERIGLASS® SOLID GLASS SPHERES
Chemical Name	Glass, oxide, chemicals
CAS No.	65997-17-3

**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 known.

**1.3 Details of the supplier of the safety data sheet**

Manufacturer	
Company Identification	Potters Industries LLC
Address of Manufacturer	P. O. Box 841 Valley Forge, PA USA
Postal code	19482
Telephone:	800-552-3237
E-mail	sds@pottersindustries.com
Supplier	
Company Identification	Potters Industries LLC
Address of Supplier	P. O. Box 841 Valley Forge, PA USA
Postal code	19482
Telephone:	800-552-3237
E-mail	sds@pottersindustries.com
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	800-552-3237/ 800-424-9300 (USA)
Contact	Company/ChemTrec

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

US CFR 1910.1200	Not classified as dangerous for supply/use.
------------------	---

**2.2 Label elements**

	According to US CFR 1910.1200
Product Name	SPHERIGLASS® SOLID GLASS SPHERES
Hazard Pictogram(s)	None.
Signal Word(s)	None.
Hazard Statement(s)	None.

**SPHERIGLASS® SOLID GLASS SPHERES**

Precautionary Statement(s) None.

**2.3 Other hazards**

Dust may have irritant effect on skin, eyes and air passages.

**2.4 Additional Information**

None.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

HAZARDOUS INGREDIENT(S)	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Glass, oxide, chemicals	65997-17-3	100	Not classified	None

**3.2 Mixtures**

Not applicable.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Wash skin with water.
Eye Contact	Flush eyes with water for at least 15 minutes.
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. Dust may cause discomfort and mild irritation.

**4.3 Indication of any immediate medical attention and special treatment needed**

Unlikely to be required but if necessary treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None.

**5.2 Special hazards arising from the substance or mixture**

Non-combustible. Excessive heating (>500°C) may cause melting or fusion of the substance.

**5.3 Advice for firefighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**SPHERIGLASS® SOLID GLASS SPHERES****6.1 Personal precautions, protective equipment and emergency procedures**

Wear suitable protective clothing. Wear eye/face protection.

**6.2 Environmental precautions**

Do not release large quantities into the surface water or into drains.

**6.3 Methods and material for containment and cleaning up**

Caution - spillages may be slippery. Sweep spilled substances into containers if appropriate moisten first to prevent dusting. Use vacuum equipment for collecting spilt materials, where practicable.

**6.4 Reference to other sections**

See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Caution - spillages may be slippery. General hygiene measures for the handling of chemicals are applicable. Avoid generation of dust. Wash hands and exposed skin after use. 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.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

Acids.

**7.3 Specific end use(s)**

Used as functional fillers and additives in various industrial applications, plastics, paints & coatings, composites and thermoset systems.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****8.1.1 Occupational Exposure Limits**

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Inhalable particles	G000-00-01		10			ACGIH TLV
Respirable particles	G000-00-01		3			ACGIH TLV

Remark

Notes

ACGIH TLV

The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®), 2021

**8.2 Exposure controls**

## SPHERIGLASS® SOLID GLASS SPHERES

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 equipment



Eye Protection

Handling of larger amounts : Wear eye protection with side protection (EN166).



Skin protection

Wear suitable gloves if prolonged skin contact is likely.

Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection

Wear suitable respiratory protective equipment if exposure to high levels of material are likely.



Thermal hazards

Not applicable.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Powder.
	Colour : White.
Odour	Odourless.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	730°C /1346°F
Initial boiling point and boiling range	Not known.
Flash Point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not known.
Vapour density	Not applicable.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Insoluble.
	Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not applicable.
Decomposition Temperature (°C)	Not known.
Viscosity	Not applicable.

**SPHERIGLASS® SOLID GLASS SPHERES**

Explosive properties Not explosive.

Oxidising properties Not oxidising.

**9.2 Other information**

None.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

Stable under normal conditions.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

**10.4 Conditions to avoid**

None anticipated.

**10.5 Incompatible materials**

Acids.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Acute toxicity - Ingestion

Not classified.  
Low oral toxicity.  
By analogy with similar materials:  
LD50 (oral,rat) mg/kg: 5000

Acute toxicity - Skin Contact

Not classified.  
Low acute toxicity.

Acute toxicity - Inhalation

Not classified.  
Low acute toxicity. Dust : Irritant effect on air passages.

Skin corrosion/irritation

Not classified.  
Dust may cause irritation.

Serious eye damage/irritation

Not classified.  
Dust may cause irritation.

Skin sensitization data

Not classified.  
It is not a skin sensitiser.

Respiratory sensitization data

Not classified.

Germ cell mutagenicity

Not classified.  
There is no evidence of mutagenic potential.

Carcinogenicity

Not classified.

**SPHERIGLASS® SOLID GLASS SPHERES**

	No evidence of carcinogenicity.
Reproductive toxicity	Not classified. No evidence of reproductive effects.
Lactation	Not classified.
STOT - single exposure	Not classified. None anticipated.
STOT - repeated exposure	Not classified. None anticipated.
Aspiration hazard	Not classified.
<b>11.2 Other information</b>	Not known.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

**12.2 Persistence and degradability**

The methods for determining the biological degradability are not applicable to inorganic substances.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

Insoluble in water. The substance is predicted to have low mobility in soil.

**12.5 Other adverse effects**

Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Product as supplied: The waste is considered to be non hazardous.  
Dispose at suitable refuse site.

**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

**SECTION 14: TRANSPORT INFORMATION**

**Not classified as hazardous for transport.**

**SPHERIGLASS® SOLID GLASS SPHERES****14.1 UN number**

Not applicable

**14.2 UN proper shipping name**

Not applicable

**14.3 Transport hazard class(es)**

Not applicable

**14.4 Packing group**

Not applicable

**14.5 Environmental hazards**

Not classified as a Marine Pollutant.

**14.6 Special precautions for user**

Not known

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not known

**SECTION 15: REGULATORY INFORMATION****15.1 US Federal Regulations**

Toxic and hazardous substances (29 CFR 1910; Subpart Z)	Not listed
National emission standards for hazardous air pollutants (40 CFR 61.01)	Not listed
SARA Title III Section 313	Not listed
TSCA (Toxic Substance Control Act)	Listed : 65997-17-3 (Active)
CAA 602 - Ozone Depleting Substances (ODS)	Not listed

**15.2 US State Regulations**

## State Right to Know Lists

Proposition 65 (California)	This product can expose you to chemicals including arsenic and lead, which are known to the State of California to cause cancer and lead, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="https://www.P65Warnings.ca.gov">https://www.P65Warnings.ca.gov</a> .
-----------------------------	---

Minnesota	Not listed
New Jersey	Not listed
Pennsylvania	Not listed
Rhode Island	Not listed

**15.3 Other**

OSPAR List of Chemicals for Priority Action	Not listed
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives)	Not listed
NTP (National Toxicology Program )	Not listed
IARC (International Agency for Research on Cancer )	Not listed

**SPHERIGLASS® SOLID GLASS SPHERES****SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

1 - 16

**LEGEND**

Hazard Pictogram(s)

None.

Precautionary Statement(s)

None.

Acronyms

ATE : Acute Toxicity Estimate

CAS : Chemical Abstracts Service

LTTEL : Long term exposure limit

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

Key literature references and sources for US CFR 1910.1200

data used to compile the SDS

Disclaimers

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 LLC 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 LLC 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.