



**Highway Safety Marking Spheres
Premium Highway Safety Marking Spheres
Premix Highway Safety Marking Spheres
Intermix Highway Safety Marking 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 Highway Safety Marking 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) Road safety markings.
Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Company Identification Potters Industries LLC
Address of Supplier P. O. Box 841
Valley Forge, PA
USA
Zip code 19482
Telephone 800-552-3237
E-mail sds@pottersindustries.com

1.4 Emergency telephone number

Emergency Phone No. Company/ ChemTrec
Contact 800-552-3237/ 800-424-9300

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 Glass Spheres
Hazard Pictogram(s) None.
Signal Word(s) None.
Hazard Statement(s) None.
Precautionary Statement(s) None.

2.3 Other hazards

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

2.4 Additional Information

None.



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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: FIRE-FIGHTING 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**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.



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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 and for industrial grinding, dispersing and deagglomeration.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Table with 7 columns: SUBSTANCE, CAS No., LTEL (8 hr TWA ppm), LTEL (8 hr TWA mg/m³), STEL (ppm), STEL (mg/m³), Note. Rows include Dusts non-specific - total inhalable and Dusts non-specific - respirable.

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

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 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.



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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. Color : White.
Odor	Odorless.
Odor 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.
Vapor pressure	Not known.
Vapor 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.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

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.



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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	Low oral toxicity. By analogy with similar materials: LD50 (oral,rat) mg/kg: 5000
Acute toxicity - Skin Contact	Low acute toxicity.
Acute toxicity - Inhalation	Low acute toxicity. Dust : Irritant effect on air passages.
Skin corrosion/irritation	Dust may cause irritation.
Serious eye damage/irritation	Dust may cause irritation.
Skin sensitization data	It is not a skin sensitizer.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	No evidence of reproductive effects.
Lactation	Not classified.
STOT - single exposure	None anticipated.
STOT - repeated exposure	None anticipated.
Aspiration hazard	Not classified.

11.2 Other information

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



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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.

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)



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CAA 602 - Ozone Depleting Substances Not listed
(ODS)

15.2 US State Regulations

State Right to Know Lists
Proposition 65 (California)

This product can exposure 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 https://www.P65Warnings.ca.gov.

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

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16

LEGEND

Acronyms
ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service
LTEL : 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

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