

**Ballotini Impact Beads**

ACCORDING TO US CFR 1910.1200

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

Product Name Ballotini Impact Beads  
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) Impact abrasive.  
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. 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**

Product Name Ballotini Impact Beads  
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. When used for abrasive blasting, this material can rebound or fragment into sharp particles which are hazardous to the eyes and skin. Noise is a major hazard in abrasive blasting processes. Abrasive blasting can generate heat, sparks, and static electrical charge.

**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: FIRE-FIGHTING MEASURES****5.1 Extinguishing Media**

Suitable Extinguishing Media As appropriate for surrounding fire.  
Unsuitable Extinguishing Media None.

**Ballotini Impact Beads****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.

**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)**

Impact abrasive.

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

SUBSTANCE	CAS No.	LTCL (8 hr TWA ppm)	LTCL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Inhalable particles			10			ACGIH TLV
Respirable particles			3			ACGIH TLV
Particulates not otherwise classified/regulated (PNOR, PNOC) (Total dust)			15			OSHA PEL Z-1
Particulates not otherwise classified/regulated (PNOR, PNOC) (Respirable fraction)			5			OSHA PEL Z-1
Particulates Not Otherwise Regulated (PNOR), Total dust			10			OSHA PEL
Particulates Not Otherwise Regulated (PNOR), Respirable fraction			5			OSHA PEL

Remark  
ACGIH TLV  
OSHA PEL Z-1  
OSHA PEL

Notes  
The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®), 2022  
Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table, 2022  
Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs), 2019

**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 protective eyewear (goggles, face shield, or safety glasses).

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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.
Odor	Color: White.
Odor Threshold	Odorless.
pH	Not known.
Melting Point/Freezing Point	Not known.
Initial boiling point and boiling range	730°C /1346°F
Flash Point	Not known.
Evaporation Rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Non-flammable.
Vapor pressure	Not applicable.
Vapor density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water): Insoluble.
Partition coefficient: n-octanol/water	Solubility (Other): Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not applicable.
Viscosity	Not known.
Explosive properties	Not applicable.
Oxidizing properties	Not explosive.
	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.

#### 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

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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 sensitizer.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified. There is no evidence of mutagenic potential.
Carcinogenicity	Not classified. 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.**

**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.

**Ballotini Impact Beads****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	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> .
Proposition 65 (California)	
Minnesota	
New Jersey	
Pennsylvania	
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: 8

**LEGEND**

Hazard Pictogram(s)	None.
Precautionary Statement(s)	None.
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 data used to compile the SDS US CFR 1910.1200

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