



SAFETY DATA SHEETS (SDS)

1. PRODUCT IDENTIFICATION

PRODUCT NAME: **IMPACT BEADS (GLASS BEADS)**

Relevant identified uses of the substance or mixture and uses advised against

RECOMMENDED USES: Impact abrasive

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2. HAZARD IDENTIFICATION

HAZARD CLASSIFICATION:

- **GHS Classification** Not classified as dangerous for supply/use.
- **EC Classification** Not classified as dangerous for supply/use.

HAZARD SUMMARY

- Dust may cause irritation. Caution- spillages may be slippery. When used for abrasive blasting, this material can rebound or fragment into sharp particles which are hazard in the abrasive blasting processes. Abrasive blasting can generate heat, sparks, and static electrical charge.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Regulation (EC) No. 1272/2008 (CLP)

Ingredient(s)	%W/W	CAS No.	EINECS No./ REACH Registration	Hazard symbol(s) and hazard statement (s)
Glass oxide; Glass	100	65997-17-3	2660460	Not Classified

4. FIRST-AID MEASURES

EYES: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If symptoms persist, obtain medical attention.

SKIN: 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 advise/attention.

Most important symptoms and effects, both acute and delayed: Dust may cause irritation. Caution- spillages may be slippery. Dust may cause discomfort and mild irritation.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Wear suitable protective clothing. Wear eye/face protection.

Methods and materials for containment and clean up

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

Reference other Sections: Not applicable

7. HANDLING AND STORAGE

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 or smoke at the work place.

STORAGE: Specific end use(s): Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

SUBSTANCE	Occupational Exposure Limits
Glass oxide; Glass	No occupational Exposure Limit assigned. 15mg/m ³ total dust 5mg/m ³ respirable (particulates Not Otherwise Regulated)

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. Observe OSHA regulations for abrasive blasting (29 CFR 1910.94) respirator use (29 C.F.R. §1910.134).

SKIN PROTECTION: Wear suitable protective clothing and gloves. For example cotton or rubber.

EYE / FACE PROTECTION: Goggles

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor	White, Glass powder/odourless
Odor Threshold	Not applicable
pH	Not applicable
Evaporation Rate	Not applicable
Melting Point	Approx 730 C

Freezing point	Not applicable
Boiling Point	Not applicable
Flash Point	Not applicable
Flammability (solid,gas)	Non-combustible
Specific gravity/density	Not applicable
Solubility	Insoluble
Decomposition Temperature (°C)	Not applicable
Viscosity (mPa. S)	Not applicable
Oxidising Properties	Not applicable

10. STABILITY AND REACTIVITY

REACTIVITY	Avoid contact with strong acids.
Chemical Stability	Stable
Possibility of hazardous reactions	Not applicable
Conditions to avoid	Not applicable
Hazardous decomposition product(s)	None Known

11. TOXICOLOGICAL INFORMATION

EYE:	Dust may cause mechanical irritation.
SKIN:	Dust may cause mechanical irritation.
INHALATION:	May cause irritation to the respiratory system.
INGESTION:	The acute oral toxicity of this product has not been tested. A similar material was nontoxic to rats at 5,000 mg/kg.
Sensitization:	Not sensitizing.
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 toxicity or developmental toxicity.

12. ECOLOGICAL INFORMATION

Toxicity	No environmental hazards have been reported or known.
Persistence and Degradability	This material is persistent but inert in aquatic systems. It will not bioconcentrate up the food chain.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	Not applicable.

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS: Product as supplied: The waste is considered to be nonhazardous. Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not classified as dangerous for transport

15. REGULATORY INFORMATION

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 class1 (low hazard to water).

16. OTHER INFORMATION & LAST REVISION DATE

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

DISCLAIMER:

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<u>LAST REVISION DATE:</u> 10/21/2015
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