



SAFETY DATA SHEET

acc. to OSHA HCS (29 CFR 1910.1200)

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Revision: February 20, 2019

Trade Name: Glass Beads

1. Identification

Product Identifier:	Glass Beads
Trade Names:	RockRidge Glass Beads
Recommended Use:	Surface Finishing, Reflective Coatings
Restrictions on Use:	None
Manufacturer/Supplier:	RockRidge Abrasives 37 John Glenn Dr. Amherst, NY 14228 Phone: 716-759-6600 Fax: 716-759-6602

2. Hazard(s) Identifications

Classifications of the Substance or Mixture:	Not Classified	Label Elements:	None
GHS Label Elements:	None	Hazard Pictograms	
Other Information:	None	Signal Word:	None
Hazard Statements:	None	Precautionary Statements:	None

3. Composition/Information on Ingredients

Chemical Characterization:

Chemical and Common Name:	Glass Oxide
CAS #:	65997-17-3
Wt #:	> 99 %
OSHA PEL:	15 mg/m ³ total dust, 5 mg/m ³ Respirable
ACGIH TLV:	10 mg/m ³ total dust, 3 mg/m ³ Respirable



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4. First-Aid Measures

General Information:

After Inhalation: Exposure to dust created during blasting may cause throat and lung irritation, coughing, or shortness of breath. If inhaled, move to fresh air. If symptoms persist, seek medical attention.

After Skin Contact: Wash skin thoroughly with soap and water. If symptoms persist, seek medical attention.

After Eye Contact: Particle dust may cause irritation. Flush eyes with water for at least 15 minutes. If symptoms persist, seek medical attention.

After Swallowing: Drink plenty of water. Never give liquid to an unconscious person. If symptoms persist, seek medical attention.

5. Fire-Fighting Measures

Extinguishing Media:

Suitable Extinguishing Agents: All extinguishing media can be used. Use extinguishing media suitable for surrounding fire.

Special Hazards Arising from the Substance or Mixture: The product is not flammable, combustible or explosive. No hazardous thermal decomposition.

Advice for Firefighters: No specific special fire-fighting precaution is required. Use equipment necessary for surrounding.

6. Accidental Release Measures

Personal Precautions, Protective Equipment & Emergency Procedures: No special precautions necessary. Wear equipment as for normal handling.

Environmental Precautions: No special precautions necessary. Material should not be dumped in the environment, rather collected and disposed of in accordance with local, state, and federal guidelines.

Methods and Materials for Containment and Cleaning Up: Vacuum, pump, or scoop spilled material into containers for reclaiming or for disposal. Do not discharge into drains, watercourses, or onto the ground.



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7. Handling and Storage

Precautions for Safe Handling: No special precautions necessary

Conditions for Safe Storage: Storage areas should be ventilated and dust generation should be minimized while handling. Use good housekeeping practices to keep nuisance dust to a minimum.

8. Exposure Controls / Personal Protection

Control Parameters: Follow workplace regulatory exposure limits for all types of airborne dust (e.g., total dust and to respirable dust). In the US, the ACHIH OEL (Occupation Exposure Limit) measured an 8 hour TWA (Time Weighted Average) is 3 mg/m³. The OSHA PEL (Permissible Exposure Limit) is 5 mg/m³. For the equivalent limits in other countries, please contact an occupational hygienist or the local regulatory authority.

Appropriate Engineering Controls: Use exhaust ventilation, if required, to maintain dust concentration below recommended exposure limits.

Individual Protection Measures:

- (a) Eye Protection: Wear side shield safety glasses
- (b) Hand Protection: Rubber gloves are recommended for prolonged exposure
- (c) Respiratory Protection: If a respirator is required, use of a MSHA/NIOSH or OSHA/NIOSH approved respirator is recommended.

9. Physical and Chemical Properties

Appearance:	Glass Bead
Odor:	Odorless
Color:	Colorless
pH:	Not Applicable
Melting Point:	Approx. 730 °C
Flammability:	Not Flammable
Upper/Lower Flammability or Explosive Limits:	Not Explosive/Limits Do Not Apply.
Relative Density:	No Data Available
Solubility in Water:	Negligible
Explosive Properties:	Not Explosive
Oxidizing Properties:	Non-Oxidizing
Specific Gravity:	2.4 - 2.6



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10. Stability and Reactivity

Thermal Decomposition / Conditions to be Avoided:

Possibility of Hazardous Reactions:	None Known
Bio Accumulative Potential:	None Known
Incompatible Materials:	None Known
Reactivity:	Inert solid under normal storage, handling, and use conditions
Chemical Stability:	Stable under recommended storage conditions
Hazardous Decomposition:	None Known

11. Toxicological Information

Information on Toxicological Effects: No acute or chronic health effects known in working in short or long term exposure to this product. This product does not contain toxic substances above known reportable limits.

Symptoms related to physical, chemical, and toxicological characteristics: None Known

Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure:
None Known

Numerical Measures of Toxicity: None Known

12. Ecological Information

Eco Toxicity: No Data Available

Persistence and Degradability: Stable and inert product which is not readily biodegradable

Bio Accumulative Potential: This product does not bio accumulate

Mobility in Soil: No Data Available

Other Adverse Effects: None Known



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13. Disposal Considerations

Waste Treatment Methods

Recommendation: Where possible, recycling is preferable to disposal. Product should be disposed of in compliance with local regulations.

Contaminated Packages: Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorized waste management company. Recycling and disposal of packaging should be carried out in compliance with local regulations.

14. Transport Information

Note: Not classified as a dangerous according to transport regulations.

IMDG/IMO:	No Classification Assigned
RID:	No Classification Assigned
ADR:	No Classification Assigned
ICAO:	No Classification Assigned
IATA:	No Classification Assigned

15. Regulatory Information

Safety, health, and environmental regulations/legislation specific for the substance or mixture

United States Federal Regulations

EPA - TSCA:	Not Applicable
EPA - CARCLA Reportable Quantity:	Not Applicable
EPA - SARA Title III:	Substances in this product are not reportable under section 313
OSHA:	Particulate is regulated as nuisance dust- Particulate Not Otherwise Regulated (PNOR)
ACGIH:	Particulate is regulated as nuisance dust- Particulate Not Otherwise Classified (PNOC)



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16. Other Information

NFPA

Health Hazards: 0 Flammability: 0 Instability: 0 Physical/Chemical Properties: Yes

HMIS

Health Hazards: 0 Flammability: 0 Physical Hazards: 0 Personal Protection: B

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of Preparation/Last Revision: 02/20/2019

Prepared by:

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