

SECTION 1: Chemical Product and Company Identification

MSDS name: Borosilicate Glass
Product form: Glass beads
Product name: GB01 (Standard/RNase Free)
Company identification: Next Advance, Inc. 2113 State Highway 7 Troy, NY 12180 USA www.nextadvance.com
For information, call: 518-674-3510
Emergency number: 518-674-3510
For CHEMTREC assistance, call: US:001-800-424-9300 / Europe:001-703-527-388
For Emergency, call: US:001-201-796-7100 / Europe: +32 14 57 52 99

SECTION 2: Composition, Information on Ingredients

CAS#	Chemical name	Percent
65997-17-3	Glass, oxide & chemicals	~100 % by weight

SECTION 3: Hazards Identification

Physical hazards: Not classified
Health hazards: Not classified
OSHA defined hazards: Not classified
Label elements: None
Hazard symbols: None
Signal word: None
Hazard statement: None
Precautionary statement: May irritate skin, eyes, mucous membranes.
Prevention: Observe good industrial hygiene practices.
Response: Wash hands thoroughly after handling.
Storage: Store away from incompatible materials.
Disposal: Dispose of in accordance with local regulations.
Classification according to Regulation (EC) No 1272/2008: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
Hazard(s) not otherwise Classified (HNOC): None known
Glass is an amorphous fusion of materials whose constituents are tightly bound together and are in a specific chemical environment, totally different from the initial state (in raw materials) and from that occurring in simple compounds (metals or oxides). Under normal conditions, glass never gives metal or oxide as direct dissociation products. Under extreme conditions, only a tiny fraction of glass constituents could leach from the glass matrix into aqueous solutions.

SECTION 4: First Aid Measures

Inhalation: If symptomatic, move to fresh air. If symptoms persist Get medical attention.
Skin Contact: Gently wash with plenty of soap and water. If symptoms occur: Get medical attention.
Eye Contact: Material that contacts the eye should be washed out immediately with water. Remove contact lenses, if present and easy to do. Get medical attention if symptoms persist.
Ingestion: Seek medical advice.
Most Important Symptoms and Effects, Both Acute and Delayed: Direct contact with eyes may cause temporary irritation.
Indication of Immediate Medical Attention and Special Treatment Needed: Treat symptomatically.

SECTION 5: Fire-fighting Measures

Suitable Extinguishing Media: Water, Water fog, Foam, Dry chemical, and Carbon dioxide (CO₂)
Unsuitable Extinguishing Media: None known
Specific Hazards Arising from the Chemical: None known
Special Protective Equipment and Precautions for Firefighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.
Fire-fighting Equipment/Instructions: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear protective clothing as described in Section 8 of this SDS
Methods and Materials for Containment and Cleaning Up: Sweep or scoop up and remove.
Environmental Precautions: For waste disposal, see Section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

SECTION 7: Handling and Storage

Precautions for Safe Handling	Wear appropriate personal protective equipment (See Section 8). Wash thoroughly after handling. Observe good industrial hygiene practices. Dust or powder: Use only with adequate ventilation. Avoid breathing dust.
Conditions for Safe Storage, including any Incompatibilities	Store in a cool dry environment. Store away from incompatible materials (See Section 10). Indefinite when stored in ambient conditions

SECTION 8: Exposure Controls/ Personal Protection

Engineering Controls: Ensure adequate ventilation, especially in confined areas.
Eye/Face Protection: Normal eye protection practices should be used. If dusty conditions exist, chemical goggles are recommended.
Hand Protection: Regular work gloves.

Other: Wear apron or protective clothing in case of contact. If contact with forearms is likely wear gauntlet style gloves.

General Hygiene: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

Exposure Limits: Dust (CAS-) PEL 5 mg/m³ 15 mg/m³ Respirable fraction. Total dust.
Dust (CAS-) TWA 5 mg/m³ 15 mg/m³ 50 millions of particles 15 millions of particles Respirable fraction. Total dust.
Total dust. Respirable fraction.
Dust (CAS-) TWA 3 mg/m³ 10 mg/m³ Respirable particles. Total dust.

SECTION 9: Physical and Chemical Properties

Appearance: Solid.
Physical State: Solid.
Form: Solid. Glass.
Color: White. Clear.
Odor: Not available.
Odor Threshold: Not available.
pH (in water @25C): Not available.
Melting Point/Freezing Point: Not available.
Softening Temperature: Not measured.
Initial Boiling Point and Boiling Range: Not applicable.
Flash Point: Not applicable.
Evaporation Rate: Not available.
Flammability (solid, gas): Not applicable.
Upper/Lower Flammability or Explosive Limits
Flammability Limit-Lower (%): Not applicable.
Flammability Limit-Upper (%): Not applicable.
Vapor Pressure: Not available.
Vapor Density: Not applicable.
Relative Density: Not available.
Solubility (water): Not measured.
Partition Coefficient: No data available.
Auto-ignition Temperature: Not applicable.
Decomposition Temperature: Not applicable.
Viscosity: Not applicable.
Specific Gravity: Not measured.
Refractive Index: Not measured.

SECTION 10: Stability and Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transportation.

Chemical Stability: Stable under the prescribed storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Contact with incompatible materials.

Incompatible Materials: Strong acids. Strong bases.

Hazardous Decomposition Products: Metal oxides.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SECTION 11: Toxicological Information

Ingestion: No harmful effects expected in amounts likely to be ingested by accident.
Inhalation: No inhalation hazard under normal conditions. Contact with dust: May cause irritation to the respiratory system.
Skin contact: May cause skin sensitization in hypersensitive individuals.
Eye contact: Direct contact with eyes may cause temporary irritation.
Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

SECTION 12: Ecological Information

Ecotoxicity: Not expected to be harmful to aquatic organisms.
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: The product is not mobile in soil.
Other Adverse Effects: None known.

SECTION 13: Disposal Considerations

Disposal Instructions: Do not discharge into drains, water courses or onto the ground.
Local Disposal Regulations: Dispose in accordance with all applicable regulations.
Hazardous Waste Code: Not regulated. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from Residues/Unused Products: Recover and recycle, if practical.
Contaminated packaging: Dispose of in accordance with local regulations.

SECTION 14: Transport Information

DOT: Not regulated as dangerous goods.
IATA: Not regulated as dangerous goods.
IMDG: Not regulated as dangerous goods

SECTION 15: Regulatory Information

US Federal Regulations: This product is not hazardous according to OSHA 29CFR 1910-1200
US State Regulations
US Massachusetts RTK – Substance List
Aluminum oxide (CAS 1344-28-1)
Calcium oxide (CAS 1305-78-8)
Magnesium oxide (CAS 1309-48-4)
Quartz (CAS 14808-60-7)
US New Jersey Worker and community Right-to-Know Act
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US Pennsylvania worker and Community Right-to-Know Law

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Quartz (CAS 14808-60-7)

US Rhode Island RTK

Aluminum oxide (CAS 1344-28-1)

US- California Proposition 65-Carcinogens & Reproductive Toxicity (CTR): Listed substance

Quartz (CAS 14808-60-7)

Warning: This product contains chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm

SECTION 16: Other Information

The information and recommendations herein are based upon data believed to be correct for material as shipped. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to this information.