High Index Glass Beads

1. PRODUCT AND COMPANY IDENTIFICATION
Product name: High Index Glass Beads  
Product description: Solid Spherical glass beads  
Manufacturer: Langfang Olan Glass Beads Co., Ltd  
Add.: Room 1014, 10th Floor, Unit 1, Building 2, New World Centre, Guanyang District, Langfang City, Hebei, China  
Emergency Telephone Number: 0086-316-2013621  
Email: sales@cnglassbead.com  
Web: www.cnglassbead.com

2. COMPOSITION/INFORMATION ON INGREDIENTS
Chemical and Common Name | CAS Registry Number | Wt. % | OSHA PEL (mg/m³) | ACGIH TLV (mg/m³) |
---------------------------|---------------------|------|------------------|------------------|
Glass Oxide; Barium        | 65997-17-3          | >99% | 15 total         | 10 m³            |
Titanate Glass:            |                     |      | inhalable,       |                  |
                          |                     |      | Respirable       |                  |
                          |                     |      | 3 m³,            |                  |
                          |                     |      | Respirable       |                  |

3. HAZARDS IDENTIFICATION
Emergency Overview: Noncombustible glass beads. Spilled material is extremely slippery  
Eye contact: Mildly irritating to the eyes.  
Skin contact: Slightly irritating to skin.  
Inhalation: May cause irritation.  
Ingestion: No known hazard.  
Chronic hazards: No known chronic hazards. Not listed by NTP, IARC or OSHA as a carcinogen  
Physical hazards: Spilled material is extremely slippery.

4. FIRST AID MEASURES
Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.  
Skin: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash clothing before reuse.  
Thoroughly clean shoes before reuse.  
Inhalation: None required.  
Ingestion: None required.

5. FIRE FIGHTING MEASURES
Flammable limits: This material is noncombustible.  
Extinguishing Media: This material is compatible with all extinguishing media.  
Hazards to fire-fighters: See Section 3 for information on hazards when this material is present in the area of a fire.  
Fire-fighting equipment: The following protective equipment for fire fighters is
recommended when this material is present in the area of a fire: rubber boots with slip-resistant soles.

6. ACCIDENTAL RELEASE MEASURES
Personal protection: Wear rubber boots with slip-resistant soles, and NIOSH-approved dust respirator where dust occurs. See section 8.
Environmental Hazards: Sinks in water. No known hazard to aquatic life.
Small spill cleanup: Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8.
Large spill cleanup: Keep unnecessary people away; isolate hazard area and deny entry. Do not walk through spilled material. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8.
CERCLA RQ: There is no CERCLA Reportable Quantity for this material.

7. HANDLING AND STORAGE
Handling: Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep container closed. Promptly clean up spills.
Storage: Keep containers closed. Store in clean metal, fiber or plastic containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Engineering controls: Use with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.
Skin protection: Wear body-covering protective clothing.
Eye protection: Wear safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance: Solid, Spherical,Powder.
Color: White.
Melting point: Approximately 730º C.
Odor: Odorless.
PH: Not applicable.
Specific gravity: 4.2-4.5g/cm³
Solubility in water: Insoluble.

10. STABILITY AND REACTIVITY
Stability: This material is stable under all conditions of use and storage.
Conditions to avoid: None.
Materials to avoid: Dissolves in hydrofluoric acid.
Hazardous decomposition products: None known.

11. TOXICOLOGICAL INFORMATION
Acute Data: When tested for primary irritation potential, this material caused mild irritation to the eyes and slight irritation to the skin.
The acute oral toxicity of this product has not been tested. A similar material was nontoxic to rats at 5,000 mg/kg. All animals survived, gained weight and appeared active and healthy. There were no signs of gross toxicity, adverse pharmacologic effects or abmormal behavior.
Subchronic Data: There are no known reports of subchronic toxicity of nonfibrous glass.
Special Studies: There are no known reports of carcinogenicity of nonfibrous glass. Nonfibrous glass is not listed by IARC, NTP or OSHA as a carcinogen.

12. ECOLOGICAL INFORMATION
Eco toxicity: There are no known reports of ecotoxicity of nonfibrous glass.
Environmental Fate: This material is persistent but inert in aquatic systems. It will not bioconcentrate up the food chain.
Physical/Chemical: Sinks in water. Insoluble in water.

13. DISPOSAL CONSIDERATIONS
Classification: Disposed material is not a hazardous waste.
Disposal Method: Dispose in accordance with national and local regulations.

14. TRANSPORT INFORMATION
DOT UN Status: This material is not regulated hazardous material for transportation.

15. OTHER INFORMATION
Prepared by: Laboratory of Langfang Olan Glass Beads Co., Ltd
Date Updated: Mar 18, 2015

THE INFORMATION ON THIS SAFETY DATA SHEET IS BELIEVED TO BE ACCURATE AND IT IS THE BEST INFORMATION AVAILABLE TO LANGFANG OLAN GLASS BEADS CO., LTD THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONS FOR HANDLING A CHEMICAL BY A PERSON TRAINED IN CHEMICAL HANDLING. LANGFANG OLAN GLASS BEADS CO., LTD MAKES NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED WITH RESPECT TO SUCH INFORMATION OR THE PRODUCT TO WHICH IT RELATES, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OR HANDLING OF THE PRODUCT TO WHICH THIS SAFETY DATA SHEET RELATES. USERS AND HANDLERS OF THIS PRODUCT SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION PROVIDED HEREIN FOR THEIR OWN PURPOSES.