

MATERIAL SAFETY DATA SHEET

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1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY / UNDERTAKING

Product Name: GLASS BEADS FOR INDUSTRIAL PURPOSE
Company: Langfang Olan Glass Beads Co., Ltd
 Room 1014, 10th Floor, Unit 1, Building 2, New World Centre,
Factory Add: Guangyang District, Langfang, Hebei, China 065000
Tel: 0086-316-2013621
Fax: 0086-316-7018536
Email: sales@cnglassbead.com
Website: www.cnglassbead.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substances by Weight (%):

Fiber Glass		100.0
Silicon Dioxide	SiO ₂	71.75%
Sodium Oxide	Na ₂ O	14.8%
Calcium Oxide	CaO	6.8%
Magnesium Oxide	MgO	3.8%
Aluminum Oxide	Al ₂ O ₃	2.5%
other		0.35%

3. HAZARDS IDENTIFICATION

As shipped, this product does not pose any health hazard because it does not contain ingredients which are known to cause immediate or serious effects.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact
Eye contact: There may be irritation and redness
Ingestion: No Symptoms.
Inhalation: Exposure may cause coughing or wheezing.

5. FIRST AID MEASURES (ACTIONS)

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for at least 15 minutes.
Ingestion: Also rinse under the eyelids. If irritation persists, consult a specialist.
Inhalation: Wash out mouth with water. Remove to fresh air

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6. FIRE FIGHTING MEASURES

Extinguishing Media:	Non-Flammable substance, not applicable. Suitable extinguishing media for the surrounding fire should be used.
Protection of fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

7. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Refer to section 9 below for personal protection details.
Clean-Up Procedure:	Transfer to a suitable container. Material can create slippery condition underfoot. Avoid creating dust.

8. HANDLING AND STORAGE

Handling Requirements:	Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Avoid the formation or spread of dust in the air.
Storage Conditions:	Store in cool, well ventilated area. Keep bags tightly closed.

9. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Methods:	Ensure there is exhaust ventilation in the area.
Respiratory Protection:	Respiratory protective device with particle filter.
Hand Protection:	Protective gloves.
Eye Protection:	Safety glasses. Ensure eye bath is to hand.
Skin Protection:	Protective clothing.

10. PHYSICAL AND CHEMICAL PROPERTIES

State:	Solid sphere
Colour:	White
Odour:	Odourless
Melting Point/Range* C:	Approximately 800 ° C
Relative Density:	2.45g/cm ³

11. STABILITY AND REACTIVITY

The product is stable and non-reactive under normal conditions. This product will react with hydrofluoric, fluorosilicic, and phosphoric acids to produce corrosive gases. Hot, strong alkaline solutions will react with this product also.

12. TOXICOLOGICAL INFORMATION

As with any abrasive material, this product is irritating to skin and eyes. May be irritating to respiratory tract. Ingestion may be irritating to the digestive tract. Irritation is described as reversible inflammation. The potential hazard of solid particles depends on particle size and concentration per cubic meter of air.

Particle size:	Inhalable (< 100 µm) - when deposited anywhere in the respiratory tract
	Thoracic (< 25 µm) - when deposited anywhere within the lung airways and the gas-exchange region
	Respirable (< 10 µm) - when deposited in the gas-exchange region

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The following Threshold Limit Values (TLV's) refer to airborne concentrations of constituents in this product (and their effects as described by the ACGIH):

OSHA**PEL** - Permissible Exposure Limit (mg/m³)**ACGIH****TWA** - Time Weighted Average (mg/m³)**TEL/C** - Short-term Exposure Limit / Ceiling (mg/m³)**13. ECOLOGICAL INFORMATION**

Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative Potential:	No data available

14. DISPOSAL CONSIDERATIONS

Disposal Operations:	Contact waste disposal services.
Disposal of Packaging:	Contact waste disposal services.
NB:	The users attention is drawn to the possible existence of regional or national regulations regarding disposal

Pickup and reuse clean materials, avoiding dusting situations. Dispose of waste materials only in accordance With applicable federal, state, and local laws and regulations. This product is not hazardous as a waste. Check with local landfills before disposing in trash. Dispose of in closed containers to avoid dusting.

15. TRANSPORTATION INFORMATION

DOT Hazard Classification:	None
Placard Required:	None
Label Required:	Use original label including all warnings, when disposing of this material in its pure form use a DOT "Non-Hazardous Waste" label. This material is classified as "non-hazardous" according to U.S. and international shipping regulation.

16. REGULATORY INFORMATION

Hazard Symbols:	No significant hazard
Note:	The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

17. OTHER INFORMATION

Legal Disclaimer:	The information contained in this safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and it is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text. [final page]
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