

MSDS

Material Safety Data Sheet

Name: Hollow Glass Microsphere

1. Product and Company identification

Product name: Hollow Glass Microspheres

Other name: Hollow Glass Beads, Glass Bubbles

Manufacturer: Langfang Olan Glass Beads Co., Ltd.

Address: No.15, Sunny Side, South Block 11, Chaoyang Market, Langfang City, Hebei Province, China

In case of emergency call: 0086-316-2013621

Fax: 0086-316-2013621

Email: manager@glassbead.org.cn

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The MSDS is prepared by the Laboratory of Langfang Olan Glass Beads Co., Ltd.

Prepared date: May 18, 2009

2. Composition/Information

Chemical Identify of Ingredients	CAS No	Prop'n	Risk Phrases as 100%
Sodium Borosilicate Powder	50815-87-7	>99.5%	-
Siloxane, Methyl Hydrogen (bonded to spheres)	63148-57-2	<0.5%	-
Moisture (loss on drying at 105°C)	7732-18-5	<0.5%	-
Loss on Ignition at 900°C		3-7%	

3. Hazards Identification

Hazard classification: It is non-hazardous material. There is no known harm to human being nor to environment. It is not explosive nor combustible.

4. First Aid Measures

Skin contact: wash with clean water

Eye contact: immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: It is not allowed to feed unconscious person. Get medical attention immediately.

5. Fire Fighting Measures

This material is noncombustible nor explosive

6. Accidental Release Measure

Personal Protection: Wear safety goggles and dust respirator

Environment protection: Section off the scene and avoid generating dust.

Spill cleanup: Carefully shovel or sweep up spilled material and place in a suitable container for recycle or disposal.

7. Handling and Storage

Handling: Wear safety goggles, mask and gloves. Handle it gently avoiding generating dust.

Storage: Follow storage procedures. Store in well-vented and dry place.

Caution: Not for home use.

8. Exposure Controls/Personal Protection

Engineering controls: Use adequate ventilation. Keep container closed. Shower should be within direct access. Contaminated cloths should be changed.

Eye protection: wear safety goggles to avoid eye contact.

Hand protection: wear gloves.

Skin protection: wear body-covering to avoid skin contact.

Respiration protection: wear respirator to avoid inhalation.

Ingestion protection: No food or drink allowed in workplace. Wash hands or take shower before meals.

Ventilation suggestions: adequate ventilation is required to reduce the dust in the air to Health and Safety standard.

9. Physical and Chemical Properties

Appearance: fine, white powder

Odor: Odorless.

Chemical Formula: $\text{Na}_2\text{SiO}_3/\text{NaBO}_2$ (fused ingredients general formulae)

pH: Slightly alkali (7.5~11)

Bulk density: 0.09~0.18g/cm³

Solubility: Insoluble in water

Percent Volatile: >0.5%

Melting point: 800°C

10. Stability and Reactivity

Reactivity: no known reactivity.

Stability: This material is stable under all conditions of use and storage.

Conditions to avoid: humid air.

Hazardous decomposition products: none known

Ingredients: CO_2 , SiO_2 , NaO and B_2O_3

Particle Size: Mean: 10-125 micrometres (with a narrower range for each grade)

11. Toxicological Information

Acute Data: None known.

Cancer Data: None known.

Irritation Data: Possible irritation if inhaling, or contacting eyes and skin.

12. Ecological Information

Eco toxicity: None known

Environment data: Sinks in water and insoluble in water. It will not bioconcentrate up the food chain.

13. Disposal

Disposal method: dispose in accordance with government regulations

Package: pack in accordance with government regulations. Contaminated products need to be separated.

14. Transport Information

This material is not regulated hazardous material for transportation.

15. Regulation Information

Chemical Hazards Control Regulation (Issued by China Government at March 15, 2002)

It is not a regulated hazardous material according to Hazardous Chemical Classification and Identification (GB13690-92)

16. Other Information

Prepared date: May 18, 2009

Prepared by: Langfang Olan Glass Beads Co., Ltd.

Approved by: Langfang Olan Glass Beads Co., Ltd.

Note: 1.The information on this data sheet is believed to be accurate and it is the best information available to Langfang Olan Glass Beads Co., Ltd.
2. This document is intended only to be a guide to the appropriate precaution for handling, using, storing, transporting and disposing of Hollow Glass Sphere.
3.The information in this document only applies to Hollow Glass Sphere. It does not apply to any mixture with other substances or the produce of the mixing unless it is noted in hereby.