



# SAFETY DATA SHEET

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GLASS BEADS

Printing date: October 16, 2018

## SECTION 1. Identification of the substance or mixture and of the supplier

- 1.1 Product identifier  
Trade Name:  
**GLASS BEADS (for blasting)**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
Relevant identified uses: Dental material  
Uses advised against: No further data
- 1.3 Details of the supplier of the safety data sheet  
Company/Undertaking identification  
Manufacturer's Name: **SHOFU INC.**  
Address: 11 Kamitakamatsu-cho, Fukuine, Higashiyama-ku, Kyoto 605-0983, JAPAN  
Phone: +81-75-561-1112  
Fax: +81-75-275-4795  
Section in Charge: Quality Assurance Section
- 1.4 Emergency Telephone Number  
+81-75-561-1112

## SECTION 2. Hazards identification

- 2.1 GHS Classification  
It is not possible to classify it.
- 2.2 Label elements  
SYMBOL Void  
SIGNAL WORD Void  
HAZARD STATEMENTS  
Void  
PRECAUTIONARY STATEMENTS  
[Prevention]  
Do not handle until all safety precautions have been read and understood.  
[Response]  
Get medical advice/attention if you feel unwell.  
[Storage]  
Store under normal dry conditions.  
[Disposal]  
Dispose of contents and container in accordance with regulation.
- 2.3 Other hazards  
Results of PBT and vPvB assessment  
PBT: Not applicable.  
vPvB: Not applicable.

## SECTION 3. Composition/information on ingredients

- 3.1 Chemical characterization: Mixtures
- 3.2 Description: Mixture of substances listed below with nonhazardous additions.



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- 3.3 Dangerous components: Void  
This product is a Soda-Lime Glass Beads for blasting.  
Glass composition:  
 $\text{SiO}_2\text{-R}_2\text{O}_3\text{-R}_2\text{O-RO}$   
( $\text{R}_2\text{O}_3$  :  $\text{Al}_2\text{O}_3$ ) ( $\text{R}_2\text{O}$  :  $\text{Na}_2\text{O}$ ,  $\text{K}_2\text{O}$ ) ( $\text{RO}$  :  $\text{CaO}$ ,  $\text{MgO}$ )
- 3.4 Additional information: For the wording of the listed risk phrases refer to section 2

## SECTION 4. First-aid measures

- 4.1 Description of first aid measures  
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
Skin contact: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.  
Ingestion: Rinse mouth. Get medical advice/attention if you feel unwell.  
Inhalation: Remove person to fresh air and keep comfortable for breathing.
- 4.2 Most important symptoms and effects, both acute and delayed  
No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

## SECTION 5. Fire-fighting measures

- 5.1 Extinguishing Media:  
The product is not flammable.
- 5.2 Special hazards arising from the substance or mixture:  
No further relevant information available.
- 5.3 Advice for firefighters:  
No further relevant information available.

## SECTION 6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:  
Don't breathe dust.
- 6.2 Environmental Precautions:  
No special measures required.
- 6.3 Methods and material for containment and cleaning Up:  
Wipe up and discard in a suitable container.
- 6.4 Reference to other section:  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7. Handling and storage

- 7.1 Precautions for safe handling:  
Wear a tool for appropriate protection such as protection glasses, protection gloves.
- 7.2 Conditions for safe storage, including any incompatibilities:  
Store in a dry place.



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- 7.3 Specific end use(s):  
No further relevant information available.

## SECTION 8. Exposure controls/personal protection

- 8.1 Control parameters:  
Ingredients with limit values that require monitoring at the workplace:  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- 8.2 Exposure controls:  
Respiratory Protection: Dust mask
- Skin Protection: Hand Protection  
Not required.
- Eye Protection: Safety goggles

## SECTION 9. Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- |  |                              |
|--|------------------------------|
| Appearance/Odor/Colour:                      | Odourless, colourless solid. |
| Odour threshold                              | Not determined.              |
| pH   | Not determined.              |
| Melting point/freezing point                 | Not determined.              |
| Boiling Point:                               | Not determined.              |
| Flash point:                                 | Not determined.              |
| Evaporation rate                             | Not determined.              |
| Flammability (solid, gas)                    | Not applicable.              |
| Upper/lower flammability or explosive limits | Not determined.              |
| Vapour pressure                              | Not determined.              |
| Vapour density                               | Not determined.              |
| Relative Density:                            | ≈ 2.5                        |
| Solubility: water solubility                 | Insoluble                    |
| Partition coefficient: n-octanol/water       | Not determined.              |
| Auto-ignition temperature                    | Not determined.              |
| Decomposition temperature                    | Not determined.              |
| Viscosity                                    | Not determined.              |
| Explosive properties                         | Not applicable.              |
| Oxidising properties                         | Not applicable.              |
- 9.2 Other information  
No further relevant information available.

## SECTION 10. Stability and reactivity

- 10.1 Reactivity:  
No further relevant information available.
- 10.2 Chemical stability:  
Stable under normal temperatures and pressures.
- 10.3 Possibility of hazardous reactions:  
No dangerous reactions known.



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## 10.4 Condition to Avoid:

No further relevant information available.

## 10.5 Incompatible materials:

No further relevant information available.

## 10.6 Hazardous Decomposition Products:

None under normal conditions of storage and use.

## SECTION 11. Toxicological information

### 11.1 Information on toxicological effects:

Acute toxicity:	Based on available data, the classification criteria are not met.
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Eye damage/irritation:	Based on available data, the classification criteria are not met.
Sensitization to the respiratory tract:	
	Based on available data, the classification criteria are not met.
Skin sensitization:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity/Genotoxicity:	
	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
Effects on or via lactation:	Lack of data.
Specific target organ toxicity (single exposure):	
	Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure):	
	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

## SECTION 12. Ecological information

### 12.1 Toxicity:

No further relevant information available.

### 12.2 Persistence and degradability:

No further relevant information available.

### 12.3 Bioaccumulative potential:

No further relevant information available.

### 12.4 Mobility in soil:

No further relevant information available.

### 12.5 Results of PBT and vPvB assessment:

Not applicable.

### 12.6 Other adverse effects:

No further relevant information available.

## SECTION 13. Disposal considerations

### 13.1 Waste treatment methods:

Dispose of contents/container to in accordance with local/regional/national/international regulations.



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## SECTION 14. Transport information

- |   |  |
|---|--|
| 14.1 UN number:   | Void                                       |
| 14.2 UN proper shipping name:   | Void                                       |
| 14.3 Transport hazard class(es):  | Void                                       |
| 14.4 Packing group:   | Void                                       |
| 14.5 Environmental hazards:   | No further relevant information available. |
| 14.6 Special precautions for user:  | Not applicable.                            |
| 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | Not applicable.                            |

## SECTION 15. Regulatory information

Follow all regulations in your country.

## SECTION 16. Other information

This product is intended for use by dental professionals. (instrument/material)

Abbreviations and acronyms:

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative