



# SAFETY DATA SHEET

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BeautiSealant  
PASTE  
Printing date: August 1, 2017

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

- 1.1 Product identifier  
Trade Name:  
**BeautiSealant "PASTE"**
- 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
- PHYSICAL HAZARDS
- |  |                |
|--|----------------|
| FLAMMABLE LIQUIDS  | Not Classified |
| SELF-HEATING SUBSTANCES AND MIXTURES                                     | Not Classified |
| SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER, EMIT FLAMMABLE GAS | Not Classified |
- HEALTH HAZARDS
- |   |   |
|---|---|
| ACUTE TOXICITY-ORAL   | Category 4  |
| ACUTE TOXICITY-DERMAL                                       | Not Classified  |
| SKIN CORROSION/IRRITATION                                   | Category 2  |
| EYE DAMAGE/IRRITATION                                       | Category 1  |
| SENSITIZATION-SKIN  | Not Classified  |
| GERM CELL MUTAGENICITY                                      | Category 2  |
| CARCINOGENICITY   | Not Classified  |
| TOXIC TO REPRODUCTION                                       | Not Classified  |
| SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)   | Category 2 (heart, nervous system, kidneys, liver)      |
| SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE) | Category 2 (respiratory organ, nervous system, kidneys) |
- ENVIRONMENTAL HAZARDS
- |   |                |
|---|----------------|
| HAZARDOUS TO THE AQUATIC ENVIRONMENT-ACUTE HAZARD   | Not Classified |
| HAZARDOUS TO THE AQUATIC ENVIRONMENT-CHRONIC HAZARD | Not Classified |
- The thing without mention is out of a classification object. Or cannot classify it.



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## 2.2 Label elements

### SYMBOL



GHS07 GHS05 GHS08

SIGNAL WORD Danger

### HAZARD STATEMENTS

- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye damage.
- Suspected of causing genetic defects.
- May cause damage to organs. (heart, nervous system, kidneys, liver)
- May cause damage to organs through prolonged or repeated exposure. (respiratory organ, nervous system, kidneys)

### PRECAUTIONARY STATEMENTS

- [Prevention]
  - Do not handle until all safety precautions have been read and understood.
  - Wear protective gloves and eye/face protection.
  - Do not breathe dust/vapors.
  - Do not eat, drink or smoke when using this product.
  - Wash hands thoroughly after handling.
- [Response]
  - IF ON SKIN: Wash with plenty of water and soap.
  - If skin irritation or rash occurs: Get medical advice/attention.
  - If in eyes, rinse cautiously with water for several minutes.
  - Remove contact lenses, if present and easy to do.
  - If eye irritation persists, get medical advice/attention.
  - IF SWALLOWED: Get medical advice/attention if you feel unwell.
- [Storage]
  - Store in a cool and dark area.(Keep refrigerated when not in use)
- [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:
- |                           |         |
|---------------------------|---------|
| Glass powder              | 30-40 % |
| UDMA [Cas.No. 72869-88-4] | 25-30 % |
| TEGDMA [Cas No. 109-16-0] |         |
| Others                    |         |
- 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. If eye irritation persists, get medical advice/attention.
- Skin contact: Wash immediately with soap and plenty of water. If on skin, skin irritation, get medical advice/attention.
- Ingestion: Rinse mouth and seek medical advice if necessary.
- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptom concerning breath goes out, call a POISON CENTER or doctor.
- 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:  
Foam, CO<sub>2</sub>, Powder
- 5.2 Special hazards arising from the substance or mixture:  
Fire may produce irritating, corrosive and/or toxic gases.
- 5.3 Advice for firefighters:  
Wear fire protective cloth and self-contained breathing apparatus, if necessary.

## SECTION 6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:  
Avoid contact with eyes and skin.
- 6.2 Environmental Precautions:  
Send to approved treatment/disposal company or dispose according to local, state and federal regulations.
- 6.3 Methods and material for containment and cleaning Up:  
Wipe up and discard in a stable 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:  
Avoid inhalation of grindings and prolonged skin contact with uncured resin.



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- 7.2 Conditions for safe storage, including any incompatibilities:  
Store in a cool and dark area. (Keep refrigerated when not in use)
- 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: | Not required (use protective gas mask for organic gas, if necessary)  |
| Skin Protection:        | Hand Protection<br>The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.<br>Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.<br>Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. <ul style="list-style-type: none"><li>· Material of gloves<br/>The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</li><li>· Penetration time of glove material<br/>The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</li><li>· For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:<br/>Butyl rubber, BR<br/>Nitrile rubber, NBR</li></ul> |
| Eye Protection:         | Safety goggles  |

## SECTION 9. Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- |                              |   |
|------------------------------|---|
| Appearance/Odor/Colour:      | Low viscosity paste of the lemon yellow |
| 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.                         |



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Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative Density:	≈ 1.2 (water=1)
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:

Polymerization will occur with heat, light.

### 10.2 Chemical stability:

Stable under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions:

No dangerous reactions known.

### 10.4 Condition to Avoid:

Direct sunlight, high temperature and heating.

### 10.5 Incompatible materials:

Strong oxidizing materials.

### 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: H302 Harmful if swallowed.

Skin corrosion/irritation: H315 Causes skin irritation.

Eye damage/irritation: H319 Causes serious eye irritation.

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:

H341 Suspected of causing genetic defects.

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):

H371 May cause damage to organs. (heart, nervous system, kidneys, liver)



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Specific target organ toxicity (repeated exposure):

H373 May cause damage to organs through prolonged or repeated exposure. (respiratory organ, nervous system, kidneys)

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.

## 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 informati

Follow all regulations in your country.

## SECTION 16. Other information

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

Relevant phrases:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H341 Suspected of causing genetic defects.

H371 May cause damage to organs. (heart, nervous system, kidneys, liver)



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H373 May cause damage to organs through prolonged or repeated exposure.  
(respiratory organ, nervous system, kidneys)

Abbreviations and acronyms:

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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