

SAFETY DATA SHEETS

This SDS packet was issued with item:

076220453

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

076220438 076220446 076220461 076220479 076220487 076220495 076220503 076220511 076220529 076220537
076220545 076220552 076220560 076220578 076220586 076220594 076353932 076353940 076353957 076353965
076353973 076353981 076353999 076354005 076354013 076354021 076354039 076354047 076354054 079704263
079704266 079704269 079704275 079704281 079704293 273044901 273044902 273044903

SAFETY DATA SHEET

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

1.1 Product Name:

BEAUTIFIL II

1.2 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

Date Prepared: 2014.9.16

1.3 Emergency Telephone Number

+81-75-561-1112

2. Hazardous identification

GHS CLASSIFICATION

| | | |
|----------------------|---|----------------|
| HEALTH HAZARDS | ACUTE TOXICITY-ORAL | Not Classified |
| | SKIN CORROSION/IRRITATION | Not Classified |
| | EYE DAMAGE/IRRITATION | Not Classified |
| | SENSITIZATION-SKIN | Not Classified |
| ENVIRONMENTAL HAZARD | 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.

LABEL ELEMENTS

| | |
|--------------------------|---|
| SYMBOL | — |
| SIGNAL WORD | — |
| HAZARD STATEMENTS | — |
| PRECAUTIONARY STATEMENTS | |

[Prevention]

Obtain special instruction before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

[Response]

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.

3. Composition/information on ingredients

| Composition | % |
|--|-------|
| Bis-GMA [Cas No.1565-94-2] | ≐ 7.5 |
| Triethylenglycol dimethacrylate [Cas No.109-16-0] | < 5 |
| Aluminofluoro-borosilicate glass [Cas No.65997-18-4] | ≐ 70 |

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Al₂O₃ [Cas No.1344-28-1]

DL-Camphorquinone [10373-78-1]

Others

Hazardous ingredients are not include.

4.First-aid measures

- 4.1 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.
- 4.2 Skin contact* : Wash with plenty of soap and water. If on skin, skin irritation, get medical advice/attention.
- 4.3 Ingestion* : Rinse mouth. If you feel un-well, get medical advice/attention.
- 4.4 Inhalation* : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptom concerning breath gose out, call a POISON CENTER to doctor.

5.Fire-fighting measures

- 5.1 Suitable Extinguishing Media:* CO₂, Dry chemical, Foam
- 5.2 Extinguishing Media Should not be used :* N/A
- 5.3 Special Exposure Hazards Arising:* In case of fire, do not breath fumes and gases. (Irritation gases and fumes may emit.)
- 5.4 Special Protective Equipment:* Wear fire protective cloth and self-contained breathing apparatus if necessary.

6.Accidental release measures

- 6.1 Personal Precautions:* N/A
- 6.2 Environmental Precautions:* Dispose according to local, state and federal regulations.
- 6.3 Methods for Cleaning Up:* Wipe up and discard in a suitable container.

7.Handling and storage

- 7.1 Handling:* Avoid inhalation of grindings and prolonged skin contact with uncured resin.
- 7.2 Storage:* Store in a cool and dark area.(Keep refrigerated when not in use)

8.Exposure controls/personal protection

- 8.1 Respiratory Protection:* Not required.(Use dust mask while grinding or finishing.)
- 8.2 Hand Protection:* Latex or rubber gloves
- 8.3 Eye Protection:* Safety goggles (May be required)
- 8.4 Skin Protection:* Not required.

9.Physical and chemical properties

- 9.1 Appearance/Odour/pH* Colored putty-like paste with sweet odor
- 9.2 Boiling Point/Boiling Range:* N/D
- 9.3 Melting Point/Melting Range:* N/D
- 9.4 Flash point:* N/D
- 9.5 Auto flammability:* N/D
- 9.6 Explosive Properties:* N/D
- 9.7 Oxidizing Properties:* N/D
- 9.8 Vapour Pressure:* N/D
- 9.9 Relative Density:* 2.25 (water=1)

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9.10 Solubility: water solubility Insoluble

10.Stability and reactivity

10.1 Stability: Stable under the normal condition.
10.2 Reactivity: Polymerization will occur with heat, light.
10.3 Condition to avoid: Visible light and high-temperature.
Keep away from source of ignition.(-electric discharge
and smoking etc.)
10.4 Materials to avoid: Strong oxidizing materials

11.Toxicological information

No information

12.Ecological information

No information

13.Disposal considerations

Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified).

14.Transport information

Airline restriction information ; It doesn't correspond.
UN No. ; It doesn't correspond.
Sea restriction information ; It doesn't correspond.
UN No. ; It doesn't correspond.

15.Regulatory information

Follow all regulations in your country.

16.Other information

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



SAFETY DATA SHEET

(according to 1907/2006/EC,Article 31)

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BEAUTIFIL II Enamel

Printing date: May 29, 2015

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name:

BEAUTIFIL II Enamel

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

1.3 Application of the substance/the preparation

Dental material

1.4 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

1.5 Emergency Telephone Number

+49-2102-866410 (SHOFU DENTAL GmbH)

2. Hazards identification

Classification of the substance or mixture

CLASSIFICATION (67/548)

| | |
|---------|--|
| Xi; | Irritant |
| R36/38; | Irritating to eyes and skin. |
| Xi; | Sensitising |
| R43; | May cause sensitisation by skin contact. |

CLASSIFICATION (EC 1272/2008)

| | | |
|--------------|------|--------------------------------------|
| Skin Sens. 1 | H317 | May cause an allergic skin reaction. |
| | H318 | Causes serious eye damage. |

LABEL IN ACCORDANCE WITH (EC) NO.1272/2008



GHS07

HAZARD-DETERMINING COMPONENTS OF LABELLING

Bis-GMA

SIGNAL WORD Warning

HAZARD STATEMENTS

| | |
|------|--------------------------------------|
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |

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PRECAUTIONARY STATEMENTS

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P261 Avoid breathing dust/fume/gas/mist/vapour s/spray.
- P332+P313
If skin irritation occurs: Get medical advice/attention.
- P305+P351+P338
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

OTHER HAZARDS

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3. Composition/information on ingredients

- 3.1 Chemical characterization: Mixtures
- 3.2 Description: Mixture of substances listed below with nonhazardous additions.
- 3.3 Dangerous components:
- | | | |
|---------|-------------------------|--------|
| Bis-GMA | Cas: 1565-94-2 | ≈ 10 % |
| | EINECS: 216-367-7 | |
| | Xi R36/38, Xi R43 | |
| | Skin Sens. 1 H317, H318 | |
- 3.4 Additional information: For the wording of the listed risk phrases refer to section 2.

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. Get medical advice/attention.
- 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 to 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.

5. Fire-fighting measures

- 5.1 Extinguishing Media:
CO₂, Dry chemical, Foam

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- 5.2 Special hazards arising from the substance or mixture:
In case of fire, do not breathe fumes and gases. (Irritation gases and fumes may emit.)
- 5.3 Advice for firefighters:
Wear fire protective cloth and self-contained breathing apparatus, if necessary.

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 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.

7. Handling and storage

- 7.1 Precautions for safe handling:
Avoid inhalation of grindings and prolonged skin contact with uncured resin.
- 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

8. Exposure controls/personal protection

- 8.1 Control parameters:
Not further data; see item 7.
- 8.2 Exposure controls:
Respiratory Protection:
Not required (use protective gas mask for organic gas, if necessary.)
- Hand Protection: Latex or rubber gloves
- Eye Protection: Safety goggles (May be required)
- Skin Protection: Not required.

9. Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- | | |
|------------------------------|--------------------------------------|
| Appearance/Odor/Colour: | Semitransparent high viscosity paste |
| Boiling Point: | Not determined. |
| Flash point: | Not determined. |
| Relative Density: | 1.9 (water=1) |
| Solubility: water solubility | Insoluble |

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- 9.2 Other information
No further relevant information available.

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:
Protect from exposure to the light.
Keep away from heat and direct sunlight.
- 10.5 Incompatible materials:
No further relevant information available.
- 10.6 Hazardous Decomposition Products:
None under normal conditions of storage and use.

11. Toxicological information

- 11.1 Information on toxicological effects:
Primary irritant effect;
On the skin: Irritant to skin and mucous membranes.
On the eye: Irritating effect.
Sensitization;
Sensitization possible through skin contact.

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.

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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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. |

15. Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
- EU REGULATIONS: See Section 2
 - Other regulations, limitations and prohibitive regulations:
The product is a medical device according to the EC-directive 93/42/EEC.
- 15.2 Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

16. Other information

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

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