

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

076342943

**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).**

076342976



# SAFETY DATA SHEET

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

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Printing date: May 29, 2015

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

### 1.1 Product identifier

Trade Name:

**BeutiBond**

### 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)

F;	Highly flammable
R11;	Highly flammable
Xi;	Irritating
R36;	Irritating to eyes.
R36/38;	Irritating to eyes and skin.
Xi;	Sensitising
R43;	May cause sensitisation by skin contact.
R66;	Repeated exposure may cause skin dryness or cracking.
R67;	Vapours may cause drowsiness and dizziness.

CLASSIFICATION (EC 1272/2008)

Flam.liq. 2	H225	Highly flammable liquid and vapour.
Eye Irrit. 2	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
	H318	Causes serious eye damage.
STOT SE 3	H366	May cause drowsiness or dizziness.

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



GHS02



GHS07

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## HAZARD-DETERMINING COMPONENTS OF LABELLING

Acetone  
Bis-GMA

SIGNAL WORD      Danger

## HAZARD STATEMENTS

H225      Highly flammable liquid and vapour.  
H319      Causes serious eye irritation.  
H317      May cause an allergic skin reaction.  
H318      Causes serious eye damage.  
H366      May cause drowsiness or dizziness.

## PRECAUTIONARY STATEMENTS

P202      Do not handle until all safety precautions have been read and understood.  
P210      Keep away from heat/sparks/open flames/hot surfaces.  
            - No smoking.  
P233      Keep container tightly closed.  
P261      Avoid breathing dust/fume/gas/mist/vapour s/spray.  
P264      Wash hands thoroughly after handling.  
P280      Wear protective gloves/protective clothing/eye protection/face protection.  
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:

Cas: 67-64-1 EINECS: 200-662-2	Acetone	≈ 50 %
	F R11, Xi R36, R66, R67	
	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336	
Cas: 1565-94-2 EINECS: 216-367-7	Bis-GMA	< 15 %
	Xi R36/38, Xi R43	
	Skin Sens. 1 H317 H318	

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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:

CO<sub>2</sub>, Dry chemical, Foam

### 5.2 Special hazards arising from the substance or mixture:

Easily flammable liquid in room temp.

### 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 eye and skin contact.

### 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:

Handle in a well ventilated place.

Keep away from naked flames, sparks and sources of heat. No smoking.

### 7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool and dark area with container tightly closed.

Separated from strong oxidants. (Keep refrigerated when not in use.)

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

## 8. Exposure controls/personal protection

- 8.1 Control parameters:  
Exposure limits Acetone [Cas No.67-64-1]:  
-OSHA Permissible Exposure Limit (PEL): 1000 ppm (TWA)  
-ACGIH Threshold Limit Value (TLV): 500 ppm (TWA),  
750 ppm (STEL) A4 - not classifiable as a human carcinogen
- 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: Pale yellow liquid with characteristic odor.  
Boiling Point: Not determined.  
Flash point: -15.0 °C (closed)  
Relative Density: 0.94 (water=1)  
Solubility: water solubility Soluble
- 9.2 Other information  
No further relevant information available.

## 10. Stability and reactivity

- 10.1 Reactivity:  
No further relevant information available.
- 10.2 Chemical stability:  
Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions:  
No dangerous reactions known.
- 10.4 Condition to Avoid:  
Avoid direct sunlight, excess heat, flame and other source of ignition.
- 10.5 Incompatible materials:  
Strong oxidizing materials.
- 10.6 Hazardous Decomposition Products:  
None under normal conditions of storage and use.

## 11. Toxicological information

- 11.1 Information on toxicological effects:  
Acetone:

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Inhalation toxicity: rat LC50 75.8 mg/L  
Oral toxicity; rat LD50 > 5000 mg/kg  
Dermal toxicity; rabbit LD50 > 5000 mg/kg

## 12. Ecological information

- 12.1 Toxicity:  
Acetone:  
Fish toxicity: Fathead minnow; LC50/96H > 100 mg/L
- 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.

## 14. Transport information

- 14.1 UN number: 1090
- 14.2 UN proper shipping name: Acetone, solution
- 14.3 Transport hazard class(es): 3 Flammable liquids.
- 14.4 Packing group: II
- 14.5 Environmental hazards: No further relevant information available.
- 14.6 Special precautions for user: Warning: Flammable liquids.
- 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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