

MATERIAL SAFETY DATA SHEET

1. Identification of the Product and the Company

1.1 Product Name:

BeautiBond

1.2 Company /Undertaking Identification

Manufacturer's Name: SHOFU INC.

Address: 11-Kamitakamatsu-Cho Fukunine Higashiyama ku Kyoto 605 ,JAPAN

Phone Number for Information: 81-75-561-1112

Signature of Preparer:

Date Prepared: 2008.10. 01

1.3 Emergency Telephone Number

81-75-561-1112

2.Composition/Information on Ingredients

<i>Composition</i>	<i>Gas no.</i>	<i>%</i>	<i>Hazard type</i>
Acetone	67-64-1	<50	F ,Xi
BisGMA	1565-94-2	<20	
4MET	68183-31-3	<10	
TEGDMA	109-16-0	<5	
6MHPAc	141451-39-0	<5	
Pure water			
Others			

3.Hazardous Identification

3.1 Route of Entry : Inhalation: Possible Skin: Possible Ingestion: Possible

3.2 Health Hazard(Acute and Chronic)

Inhalation: Sore throat. Cough. Confusion. Headache. Dizziness.

Drowsiness. Nausea. Weakness.

skin: Dry skin.

Eyes: Redness. Pain. Blurred vision. Possible corneal damage.

Ingestion: Nausea. Vomiting (Further see Inhalation)

3.3 Carcinogenicity

N/A

3.4 Hazard Designation:

Highly Flammable preparation. Symbol is F
Vapour/air mixture are explosive.

4.First Aid Measures

4.1 Eye contact : First rinse with plenty of water for several minutes, then take to a doctor

4.2 Skin contact : Wash immediately with soap and plenty of water.

4.3 Ingestion : Rinse mouth. Refer for medical attention.

4.4 Inhalation : Fresh air, rest. Refer for medical attention.

5.Fire-fighting Measures

5.1 Suitable Extinguishing Media:

Powder, alcohol-resistant foam, Carbon dioxide.

5.2 Extinguishing Media Should not be used :

5.3 Special Exposure Hazards Arising:

Irritation gases and fumes may emit.

5.4 Special Protective Equipment:

Wear fire protective cloth and self-contained breathing apparatus if necessary.

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6. Accidental Release Measures

- 6.1 Personal Precautions:* See section 8.
- 6.2 Environmental Precautions:* Send to approved treatment/disposal company or 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:* Handle in a well ventilated place. Wear protective gloves, safety spectacles or face shield (If necessary wear self-contained breathing apparatus.)
Keep away from naked flames, sparks and sources of heat. No smoking.
- 7.2 Storage:* Store in a cool and dark fire proof area with container tightly closed.
Separated from strong oxidants. (Keep refrigerated when not in use.)

8. Exposure Controls/Personal Protection

- 8.1 Exposure limits:* ACGIH TLV.
Aceton [Gas No.67-64-1] 500ppm(TWA);750ppm(STEL)A4
- 8.2 Respiratory Protection:* Ventilation. Local exhaust.
- 8.3 Hand Protection:* Latex or rubber gloves
- 8.4 Eye Protection:* Safety spectacles
- 8.5 Skin Protection:* Not required (General working clothes.)

9. Physical And Chemical Properties

- 9.1 Appearance/Odour/pH* Pale yellow liquid with characteristic odor.
- 9.2 Boiling Point/Boiling Range:* N/A
- 9.3 Melting Point/Melting Range:* N/A
- 9.4 Flash point:* -15.0 °C(closed)
- 9.5 Auto flammability:* N/D
- 9.6 Explosive Properties:*
- 9.7 Oxidizing Properties:*
- 9.8 Vapour Pressure:* N/A
- 9.9 Relative Density:* 0.936 (water=1)
- 9.10 Solubility:* water solubility miscible

10. Stability And Reactivity

- 10.1 Condition to Avoid:* Visible light on liquid.
Avoid excess heat, flame and other source of ignition.
Separated from strong oxidants.
- 10.2 Materials to Avoid:* Strong oxidizing materials

11. Toxicological Information

- Effects of short-term exposure
- Inhalation of the vapor may cause headache and dizziness.
- Effects of long-term or repeated exposure
- Repeated or prolonged contact with skin may cause dermatitis.

12. Ecological Information

- The product should not be allowed to drain into sewers.

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13. Disposal Conditions

Disposal in accordance with federal, state and local regulations.

14. Transport Information

UN Hazard Class:3/JN Packing Group: II
UN NO.1090 (as Aceton)

15. Regulatory Information

16. Other Information

Handling of this product exclusively by dental specialists according to instruction for use.