

MATERIAL SAFETY DATA SHEET

1. Identification of the Product and the Company

- 1.1 *Product Name:* **ResiCem (primer B)**
- 1.2 *Company /Undertaking identification*
 Manufacturer's Name: **SHOFU INC.**
 Address: 11-Kamitakamatsu-Cho Fukunine Higashiyama-ku Kyoto 605-0983, JAPAN
 Phone Number for Information: 81-75-561-1112
 Signature of Preparer:
 Date Prepared: 2007.03.09.
- 1.3 *Emergency Telephone Number*
 81-75-561-1112

2. Composition/Information on Ingredients

<i>Composition</i>	<i>CAS No.</i>	<i>%</i>	<i>Hazzard type</i>	
2-Hydroxy Ethyl Methacrylate	868-77-9	≒ 40%	irritant	Xi
Acetone	67-64-1	≦ 20%	flammable	F
Acrylic adhesive monomer				
Others				

3. Hazardous Identification

- 3.1 *Route of Entry:* Inhalation: possible, Skin: possible, Ingestion: possible,
- 3.2 *Health Hazard(Acute and Chronic)* Irritating to eyes and skin.
 May cause sensitization by skin and mucous membrane contact.
 Possible nausea on prolonged exposure.
- 3.3 *Carcinogenicity:* N/A
- 3.4 *Hazard Designation:* Highly flammable and irritant preparation. Symbols are **F** and **Xi**

4. First Aid Measures

- 4.1 *Eye contact :* Flash with flowing water then consult physician.
- 4.2 *Skin contact :* Wash immediately with soap and plenty of water.
- 4.3 *Ingestion :* Consult physician.
- 4.4 *Inhalation:* Move to the open air.

5. Fire-fighting Measures

- 5.1 *Suitable Extinguishing Media:* CO2, dry chemical, foam
- 5.2 *Extinguishing Media Should not be used :*
- 5.3 *Special Exposure Hazards Arising:* Easily flammable liquid in room temp.
 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:* Avoid eye and skin contact. 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

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- 7.1 Handling:** Handle in a well ventilated place. Avoid prolonged skin contact with uncured resin.
Keep away from naked flames, sparks and sources of heat.
- 7.2 Storage:** Store in a cool and dark area.(Keep refrigerated when not in use)

8.Exposure Controls/Personal Protection

- 8.1 Exposure limits:** ACGIH TLV
Acetone[Cas No. 67-64-1] 1780 mg/m³
2-Hydroxy Ethyl Methacrylate [Cas no.868-77-9] None assigned.
- 8.2 Respiratory Protection:** Not required(use protective gas mask for organic gas, if necessary)
- 8.3 Hand Protection:** Latex or rubber gloves
- 8.4 Eye Protection:** Safety goggles (May be required)
- 8.5 Skin Protection:** Not required (Observe normal care when working with chemicals.)

9.Physical And Chemical Properties

- 9.1 Appearance/Odour/pH** Colorless liquid with sweet odor
- 9.2 Boiling Point/Boiling Range:** N/D
- 9.3 Melting Point/Melting Range:** N/A
- 9.4 Flash point:** -12°C(close)
- 9.5 Auto flammability:** N/D
- 9.6 Explosive Properties:**
- 9.7 Oxidizing Properties:**
- 9.8 Vapour Pressure:** N/D
- 9.9 Relative Density:** 1.10 (water=1)
- 9.10 Solubility:** water solubility Soluble in all purport

10.Stability And Reactivity

- 10.1 Condition to Avoid:** Avoid exposure to visible light on the liquid.
Keep away from source of ignition.(-electric discharge and smoking etc.)
- 10.2 Materials to Avoid:** Strong oxidizing materials
- 10.3 Hazardous Decomposition Products:** may occur peroxide

11.Toxicological Information

Inhalation of the vapor ,may cause headache, dizziness and vomiting.
May causes severe burns. Harmful in contact with skin and if swallowed.
Chronic exposure may cause reproductive harm. May act as a sensitizer.
as 2-Hydroxy Ethyl Methacrylate

ORL-RAT	LD50	5050 mg/kg
ORL-MUS	LD50	3275 mg/kg

12.Ecological Information

Don' t discard into the drain.

13.Disposal Conditions

Disposal in accordance with federal, state and local regulations.

14.Transport Information

UN Hazard Class: 3; UN Pack Group: II (as acetone)

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15.Regulatory Information

16.Other Information

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