

MATERIAL SAFETY DATA SHEET

1. Identification of the Product and the Company

1.1 Product Name:

Resi-Cem (paste)

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

Composition	Cas.no.	A paste	B paste	Hazzard type
UDMA	72869-86-4			
Triethylenglycol dimethacrylate	109-16-0			
2-hydroxyethyl methacrylate	[868-77-9]	≐ 1 %	≦ 5 %	irritant
Glass Filler (Fluoro-alumino-silicate glas: 65997-18-4				
Acrylic adhesive monomer			N/A	
Amorphous fumed silica	7631-86-9			
DL-Camphorquinone	10373-78-1		N/A	
Others				

3. Hazardous Identification

- 3.1 Route of Entry: Inhalation: N/A, Skin: may be, Ingestion: may be,
 3.2 Health Hazard(Acute and Chronic): May cause sensitization by skin and macros membrane contact.
 3.3 Carcinogenicity N/A
 3.4 Hazard Designation: irritant preparation Symbol is Xi.

4. First Aid Measures

- 4.1 Eye contact : Rinse immediately with plenty of water and seek medical advice.
 4.2 Skin contact : Wash immediately with plenty of water and mild soap.
 4.3 Ingestion : Consult physician if necessary.

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: In case of fire, do not breath fumes and gases. (Irritating 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 contact with eyes and skin.
 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.

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7. Handling And Storage

- 7.1 *Handling:* Avoid contact with eyes and skin. Avoid inhalation of grindings.
 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.
None assigned.
- 8.2 *Respiratory Protection:* Not required(use dust mask while grinding or finishing)
- 8.3 *Hand Protection:* Latex or rubber gloves
- 8.4 *Eye Protection:* Safety goggles (May be required)
- 8.5 *Skin Protection:* Not required special measures

9. Physical And Chemical Properties

- 9.1 *Appearance/Odour/pH* Non- or yellowish- colored putty-like paste with sweet odor
- 9.2 *Boiling Point/Boiling Range:* N/A
- 9.3 *Melting Point/Melting Range:* N/D
- 9.4 *Flash point:* N/A
- 9.5 *Auto flammability:* N/D
- 9.6 *Explosive Properties:* N/A
- 9.7 *Oxidizing Properties:*
- 9.8 *Vapour Pressure:* N/D
- 9.9 *Relative Density:* 1.8 (water=1)
- 9.10 *Solubility: water solubility* Insoluble

10. Stability And Reactivity

- 10.1 *Condition to Avoid:* Visible light and high-temperature
- 10.2 *Materials to Avoid:* Strong oxidizing materials
- 10.3 *Hazardous Decomposition Products:* Will not occur

11. Toxicological Information

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|-------------------------------|----------------------------------|------------------------|
| 11.1 <i>Acute toxicities:</i> | LD50 = Rodent-rat (Oral) | 5050 mg/kg (as 2-HEMA) |
| | LD50 = Rodent-rat (Intraperiton) | 1250 mg/kg (as 2-HEMA) |
| | LD50 = Rodent-mouse (Oral) | 3275 mg/kg (as 2-HEMA) |

12. Ecological Information

13. Disposal Conditions

Disposal in accordance with federal, state and local regulations.

14. Transport Information

15. Regulatory Information

16. Other Information

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