

MATERIAL SAFETY DATA SHEET

1. Identification of the Product and the Company

1.1 Product Name:

Vintage MP Opaque Liquid

1.2 Company /Undertaking identification

Manufacturer's Name: **SHOFU INC.**

Address: 11-Kamitakamatsu-Cho Fukunine Higashiyamaku Kyoto 605-0983, JAPAN

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

Signature of Preparer:

Date Prepared: 2009.2.27

1.3 Emergency Telephone Number

81-75-561-1112

2. Composition/Information on Ingredients

1,3-Butanediol	≐ 55%
Glycerol	≐ 15%
others	≐ 30%

3. Hazardous Identification

3.1 Route of Entry: Inhalation: N/A Skin: May be Ingestion: May be

3.2 Health Hazard(Acute and Chronic) Eyes and skin contact may cause irritation.

3.3 Carcinogenicity No

4. First Aid Measures

4.1 Eye contact : Rinse immediately with plenty of water and seek medical advice, if necessary.

4.2 Skin contact : Wash with water and soap.

4.3 Ingestion : Seek medical advice, if necessary.

4.4 Inhalation: N/A

5. Fire-fighting Measures

5.1 Suitable Extinguishing Media: Dry chemical, Foam, CO₂

5.2 Extinguishing Media Should not be used : N/A

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.

6. Accidental Release Measures

6.1 Personal Precautions: Avoid contact with eyes and skin.

6.2 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.

7.2 Storage: Store under normal dry conditions. Keep containers tightly closed.

8. Exposure Controls/Personal Protection

8.1 Exposure limits:	Chemical name	CAS No.	ACGIH TLV
	Glycerol(Mist)	56-81-5	10 mg/m ³ mist

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- 8.2 Respiratory Protection:* Local Exhaust
8.3 Hand Protection: Latex and 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* Colorless viscous liquid with sweet odor.
9.2 Boiling Point/Boiling Range: >100 °C
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: 1.05
9.10 Solubility: water solubility soluble

10.Stability And Reactivity

- 10.1 Condition to Avoid:* Avoid contact with strong oxidants.
10.2 material to Avoid : Keep away from Direct sunlight and source of ignition.(–electric discharge and smoking etc.)
10.3 Hazardous Decomposition Products: Glycerol decomposes on heating producing corrosive fumes of acrolein.

11.Toxicological Information

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.