

# MATERIAL SAFETY DATA SHEET

## 1. Identification of the substance or mixture and of the supplier

### 1.1 Product Name:

**VINTAGE PAINT OPAQUE LIQUID**

### 1.2 Company /Undertaking identification

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

Address: 11 Kamitakamatsu-cho, Fukunine, Higashiyama-ku, Kyoto 605-0983 ,JAPAN

Phone: +81-75-561-1112

Fax: +81-75-561-2273

Section in Charge: Quality Assurance Section

Date Prepared: 2011.9.20

### 1.3 Emergency Telephone Number

+81-75-561-1112

## 2. Hazardous identification

### GHS CLASSIFICATION

HEALTH HAZARDS	SKIN CORROSION/IRRITATION	Category 2
	EYE DAMAGE/IRRITATION	Category 2A
ENVIRONMENTAL HAZARD	HAZARDOUS TO THE AQUATIC ENVIRONMENT-ACUTE HAZARD	Category 3

The thing without mention is out of a classification object. Or cannot classify it.

### LABEL ELEMENTS

#### SYMBOL



#### SIGNAL WORD

Warning

#### HAZARD STATEMENTS

Causens skin irritation  
Causens serious eye irritation  
Harmful to aquatic life

#### PRECAUTIONARY STATEMENTS

##### [Prevention]

Obtain special instruction before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves and eye/face protection.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wash hands thoroughly after handling.  
Keep container tightly closed.  
Avoid release to the environment.

##### [Response]

If on skin, wash with plenty of soap and water. If on skin, skin irritation, get medical advice/attention.  
If in eyes, rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do.  
If eye irritation persists, get medical advice/attention.

##### [Storage]

# MATERIAL SAFETY DATA SHEET

Store under normal dry conditions. Keep containers tightly closed.

[Disposal]

Dispose of contents and container in accordance with regulation.

## 3.Composition/information on ingredients

1,3-Butanediol [107-88-0]	> 50%
Propylene Glycol [Cas No.57-55-6]	
Glycerol [56-81-5]	
Others	

No hazardous materials are present in the ingredients.

## 4.First-aid measures

- 4.1 Eye contact :* Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
- 4.2 Skin contact :* Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.
- 4.3 Ingestion :* Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
- 4.4 Inhalation:* Remove to fresh air. Get medical attention for any breathing difficulty.

## 5.Fire-fighting measures

- |   |  |
|---|--|
| <i>5.1 Suitable Extinguishing Media:</i>            | Carbon dioxide, Dry chemical powder, Foam, Water                                 |
| <i>5.2 Extinguishing Media Should not be used :</i> | N/A  |
| <i>5.3 Special Exposure Hazards Arising:</i>        | Irritation gasses and fumes may emit.  |
| <i>5.4 Special Protective Equipment:</i>            | Wear fire protective cloth and self-contained breathing apparatus, if necessary. |

## 6.Accidental release measures

- |                                     |  |
|-------------------------------------|--|
| <i>6.1 Personal Precautions:</i>    | Avoid contact with eyes and skin.            |
| <i>6.2 Methods for Cleaning Up:</i> | Wipe up and discard in a suitable container. |

## 7.Handling and storage

- |                      |   |
|----------------------|---|
| <i>7.1 Handling:</i> | Use in accordance with instruction in the well ventilated area.     |
| <i>7.2 Storage:</i>  | Store under normal dry conditions . Keep containers tightly closed. |

## 8.Exposure controls/personal protection

- |                                    |   |
|------------------------------------|---|
| <i>8.1Exposure limits:</i>         | As Glycerin Mist:<br>- OSHA Permissible Exposure Limit (PEL):<br>Total Dust: 15 mg/m <sup>3</sup> (TWA);<br>Respirable Fraction: 5 mg/m <sup>3</sup> (TWA).<br>- ACGIH Threshold Limit Value (TLV):<br>10 mg/m <sup>3</sup> |
| <i>8.2 Respiratory Protection:</i> | Local exhaust may be required.  |
| <i>8.3 Hand Protection:</i>        | Latex and rubber gloves.  |
| <i>8.4 Eye Protection:</i>         | Safety goggles may be required.   |

# MATERIAL SAFETY DATA SHEET

*8.5 Skin Protection:* Not required (Observe normal care when working with chemicals.)

## 9. Physical and chemical properties

<i>9.1 Appearance/Odor</i>	Colorless viscous liquid with sweet odor
<i>9.2 Boiling Point/Boiling Range:</i>	> 100
<i>9.3 Melting Point/Melting Range:</i>	N/D
<i>9.4 Flash point:</i>	112
<i>9.5 Auto flammability:</i>	N/D
<i>9.6 Explosive Properties:</i>	N/D
<i>9.7 Oxidizing Properties:</i>	N/D
<i>9.8 Vapour Pressure:</i>	N/D
<i>9.9 Relative Density:</i>	1.05
<i>9.10 Solubility: water solubility</i>	Soluble

## 10. Stability and reactivity

- 10.1 Stability:* Stable under normal temperatures and pressures.
- 10.2 Condition to avoid:* Heat, flames, ignition sources and incompatibles.
- 10.3 Material to avoid:* Strong oxidizing agents, acid chlorides, acid anhydrides, reducing agents.
- 10.4 Hazardous Decomposition Products:*  
Toxic gases and vapors may be released if involved in a fire.

## 11. Toxicological information

- 1,3-Butanediol ;  
Oral, rat: LD50 = 18610 mg/kg;  
Oral, mouse: LD50 = 12980 mg/kg;  
Skin, rabbit: LD50 = >20 gm/kg;
- Propylene Glycol ;  
Oral, rat: LD50 = 20 g/kg;  
Oral, mouse: LD50 = 24 g/kg;  
Oral, rabbit: TD50 = 19.2 m/kg;
- Glycerol ; Oral rat LD50: 12,600 mg/kg. Investigated as a mutagen, reproductive effector.

## 12. Ecological information

No information

## 13. Disposal considerations

Dispose of contents/container to in accordance with local/regional/national/international regulations .

## 14. Transport information

Airline restriction information ; It doesn't correspond.  
UN No. ; It doesn't correspond.  
Sea restriction information ; It doesn't correspond.  
UN No. ; It doesn't correspond.

## 15. Regulatory information

# MATERIAL SAFETY DATA SHEET

Follow all regulations in your country.

---

**16. Other information**

---

This product is intended for use by dental professionals. (instrument/material)