

MATERIAL SAFETY DATA SHEET

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

1.1 Product Name:

VINTAGE MP OPAQUE LINER

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: 2011.9.15

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 | Not Classified |

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

LABEL ELEMENTS

SYMBOL



SIGNAL WORD

Warning

HAZARD STATEMENTS

Causes skin irritation
Causes serious eye irritation

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.

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[Storage]

Store under normal dry conditions. Keep containers tightly closed.

[Disposal]

Dispose of contents and container in accordance with regulation.

3.Composition/information on ingredients

No hazardous material are present in the ingredient.

| | |
|--------------------------------------|-----|
| Powder contents(Glass frit,colorant) | 75% |
| Others(1,3-Butanediol,Glycerol) | 25% |

4.First-aid measures

- 4.1 Eye contact :* Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.
- 4.2 Skin contact :* Wash immediately with water and mild soap . If on skin, skin irritation, get medical advice/attention.
- 4.3 Ingestion :* Rinse mouth water and seek medial advice, if necessary.
- 4.4 Inhalation:* Remove victim to flesh air and keep at rest in a position comfortable for breathing.

5.Fire-fighting measures

- 5.1 Suitable Extinguishing Media:* Water, Foam, C O₂, Powder
- 5.2 Extinguishing Media Should not be used :* N/A
- 5.3 Special Exposure Hazards Arising:* In case of fire, gases and fumes may emit and acrolein escape possible
- 5.4 Special Protective Equipment:* N/A

6.Accidental release measures

- 6.1 Personal Precautions:* N/A
- 6.2 Methods for Cleaning Up:* Wipe up.

7.Handling and storage

- 7.1 Handling:* Use in accordance with instruction in the well ventilated area.
In case of grinding and polishing , wear dastmask and safety glasses, and using dust respirator and local exhaust.
- 7.2 Storage:* Store in a cool, dry and dark place with lid closed, and away from food and beverages.

8.Exposure controls/personal protection

- 8.1Exposure limits:* As Glycerin Mist:
- OSHA Permissible Exposure Limit (PEL):
Total Dust: 15 mg/m³ (TWA);
Respirable Fraction: 5 mg/m³(TWA).
- ACGIH Threshold Limit Value (TLV):
10 mg/m³
- 8.2 Respiratory Protection:* Local exhaust may be required .
- 8.3 Hand Protection:* N/A

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8.4 *Eye Protection:* Safety goggles may be required.

8.5 *Skin Protection:* N/A

9. Physical and chemical properties

| | |
|--|--|
| 9.1 <i>Appearance/Odor</i> | Viscous, odorless paste |
| 9.2 <i>Boiling Point/Boiling Range:</i> | > 100 |
| 9.3 <i>Melting Point/Melting Range:</i> | N/D |
| 9.4 <i>Flash point:</i> | N/D |
| 9.5 <i>Auto flammability:</i> | N/D |
| 9.6 <i>Explosive Properties:</i> | N/D |
| 9.7 <i>Oxidizing Properties:</i> | N/D |
| 9.8 <i>Vapour Pressure:</i> | N/D |
| 9.9 <i>Relative Density:</i> | 2 |
| 9.10 <i>Solubility: water solubility</i> | Liquid content is soluble, solid contents are not soluble. |

10. Stability and reactivity

| | |
|---|---|
| 10.1 <i>Stability:</i> | Stable under normal temperatures and pressures. |
| 10.2 <i>Condition to avoid:</i> | Keep away from Direct sunlight and source of ignition. (-electric discharge and smoking etc.) |
| 10.3 <i>Material to avoid:</i> | Avoid contact with strong oxidants. |
| 10.4 <i>Hazardous Decomposition Products:</i> | Glycerol decomposes on heating producing corrosive fumes of acrolein. |

11. Toxicological information

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

Follow all regulations in your country.

16. Other information

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