

MATERIAL SAFETY DATA SHEET

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

1.1 Product Name:

VINTAGE ZR OPAQUELINER PORCELAIN

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

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1.3 Emergency Telephone Number

+81-75-561-1112

2. Hazardous identification

GHS CLASSIFICATION

PHYSICAL HAZARDS	SKIN CORROSION/IRRITATION	Not Classified
	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 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.

[Storage]

Store under normal dry conditions. Keep containers tightly closed.

[Disposal]

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Dispose of contents and container in accordance with regulation.

3.Composition/information on ingredients

Glycerine [56-81-5]	22%
Propylene Glycol [Cas No.57-55-6]	6%
Powder contents(Glass frit,colorant)	remnant

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 :* Rinse mouth. If you feel un-well, get medical advice/attention.
- 4.4 Inhalation:* Remove to fresh air. Get medical attention for any breathing difficulty.

5.Fire-fighting measures

- 5.1 Suitable Extinguishing Media:* 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:* 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:* Use in accordance with instruction in the well ventilated area.
In case of grinding and polishing , wear dustmask and safety glasses, and using dust respirator and local exhaust.
- 7.2 Storage:* Store under normal dry conditions. Keep containers tightly closed.

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:* 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.)

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9. Physical and chemical properties

9.1 Appearance/Odor	Viscous, odorless paste
9.2 Boiling Point/Boiling Range:	220
9.3 Melting Point/Melting Range:	- 20
9.4 Flash point:	108
9.5 Auto flammability:	375
9.6 Explosive Properties:	N/D
9.7 Oxidizing Properties:	N/D
9.8 Vapour Pressure:	N/D
9.9 Relative Density:	approx.2
9.10 Solubility: water solubility	Liquid content(25%) is soluble, Solid contents are not soluble.

10. Stability and reactivity

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

11. Toxicological information

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 (to be specified).

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.

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16. Other information

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