

## 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.**

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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]

Dispose of contents and container in accordance with regulation.

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**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, CO<sub>2</sub>, 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 dastmask 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**

- 8.1 Exposure limits:** As Glycerin Mist:  
- OSHA Permissible Exposure Limit (PEL):  
Total Dust: 15 mg/m<sup>3</sup> (TWA);  
Respirable Fraction: 5 mg/m<sup>3</sup>(TWA).  
- ACGIH Threshold Limit Value (TLV):  
10 mg/m<sup>3</sup>
- 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°C
9.3 Melting Point/Melting Range:	-20°C
9.4 Flash point:	108°C
9.5 Auto flammability:	375°C
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 mg/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.

**16. Other information**

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