



SAFETY DATA SHEET

page 1/6
VINTAGE ZR
OPAQUELINER PORCELAIN
Printing date: May 8, 2024

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

- 1.1 Product identifier
Trade Name:
VINTAGE ZR "OPAQUELINER PORCELAIN"
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: Dental material
Uses advised against: No further data
- 1.3 Details of the supplier of the safety data sheet
Company/Undertaking identification
Manufacturer's Name: **SHOFU DENTAL CORPORATION**
Address: 1225 Stone Drive, San Marcos, CA 92078 USA
Toll Free: 1-800-827-4638
Phone: 760-736-3277
Fax: 760-736-3276
E-Mail: customer-service@shofu.com
Section in Charge: Quality Management & Regulatory Affairs
- 1.4 Emergency Telephone Number
For emergencies only. Call CHEMTREC: +1 703-741-5970 / 1-800-424-9300 (24 hours)

SECTION 2. Hazards identification

- 2.1 GHS Classification
HEALTH HAZARDS
EYE DAMAGE/IRRITATION Category 2B
- 2.2 Label elements
SYMBOL Void
SIGNAL WORD: Warning
- HAZARD STATEMENTS
Causes eye irritation.
- PRECAUTIONARY STATEMENTS
[Prevention]
Do not handle until all safety precautions have been read and understood.
Wash hands thoroughly after handling.
[Response]
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
[Storage]
Store in a cool and dark area.
[Disposal]
Dispose of contents and container in accordance with regulation.



SAFETY DATA SHEET

page 2/6
VINTAGE ZR
OPAQUELINER PORCELAIN
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2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3. Composition/information on ingredients

3.1 Chemical characterization: Mixtures

3.2 Ingredients and composition:

Component	CAS-No	Weight %
Powder contents (Glass frit, colorant)	—	70-80
Glycerin	56-81-5	
Propylene Glycol	57-55-6	1-10
Others	—	

3.3 Additional information: For the wording of the listed risk phrases refer to section 2

SECTION 4. First-aid measures

4.1 Description of first aid measures

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.

Skin contact: Wash immediately with soap and plenty of water. If on skin, skin irritation, get medical advice/attention.

Ingestion: Rinse mouth and seek medical advice if necessary.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5. Fire-fighting measures

5.1 Extinguishing Media:

Water, Foam, CO₂, Powder, Dry sand

5.2 Special hazards arising from the substance or mixture:

In case of fire, irritation gases and fumes may emit.

5.3 Advice for firefighters:

Wear fire protective cloth and self-contained breathing apparatus, if necessary.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes and skin.

6.2 Environmental Precautions:

Be careful not to affect the environment by being discharged into rivers and sewers.

6.3 Methods and material for containment and cleaning Up:

Wipe up and discard in a stable container.



SAFETY DATA SHEET

page 3/6
VINTAGE ZR
OPAQUELINER PORCELAIN
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6.4 Reference to other section:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7. Handling and storage

7.1 Precautions for safe handling:

Use in accordance with instruction. In case of grinding and polishing, wear dust mask and safety glasses, and using dust respirator and local exhaust.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, dry and dark place with lid closed.

7.3 Specific end use(s):

No further relevant information available.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters:

Exposure limits:

Component	ACGIH
Glycerin	TWA 10 mg/m ³ (Glycerin mist)

8.2 Exposure controls:

Respiratory Protection:

Dust mask

Skin Protection:

Hand Protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Butyl rubber, BR

Nitrile rubber, NBR

Eye Protection:

Safety goggles



SAFETY DATA SHEET

page 4/6
VINTAGE ZR
OPAQUELINER PORCELAIN
Printing date: May 8, 2024

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance/Odor/Colour:	Viscous, odorless paste.
Odour threshold:	Not determined.
pH:	Not determined.
Melting point/freezing point:	Not determined.
Boiling point:	Not determined.
Flash point:	Not determined.
Evaporation rate:	Not determined.
Flammability (solid, gas):	Not applicable.
Upper/lower flammability or explosive limits:	Not determined.
Vapour pressure:	Not determined.
Vapour density:	Not determined.
Relative density:	≈ 2 (water=1)
Solubility: water solubility	Liquid content is soluble, solid contents are not soluble.
Partition coefficient (n-octanol/water):	Not determined.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Viscosity:	Not determined.
Explosive properties:	Not applicable.
Oxidising properties:	Not applicable.

9.2 Other information

No further relevant information available.

SECTION 10. Stability and reactivity

10.1 Reactivity:

No further relevant information available.

10.2 Chemical stability:

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions:

No dangerous reactions known.

10.4 Condition to Avoid:

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous Decomposition Products:

None under normal conditions of storage and use.

SECTION 11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:	Glycerin;	Oral	rat	LD50	12600 mg/kg
		Inhalation	rat	LC50	> 570 mg/m ³ /1H
		Dermal	rabbit	LD50	> 10 g/kg



SAFETY DATA SHEET

page 5/6
VINTAGE ZR
OPAQUELINER PORCELAIN
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Propylene Glycol; Oral rat LD50 20 g/kg
Dermal rabbit LD50 20800 mg/kg

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Eye damage/irritation: Eye Irrit.2B; H320 Causes eye irritation.
Sensitization to the respiratory tract:
Based on available data, the classification criteria are not met.
Skin sensitization: Based on available data, the classification criteria are not met.
Germ cell mutagenicity/Genotoxicity:
Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure):
Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure):
Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

11.2 Information on other hazards:
No further relevant information available.

SECTION 12. Ecological information

12.1 Toxicity:
No further relevant information available.

12.2 Persistence and degradability:
No further relevant information available.

12.3 Bioaccumulative potential:
No further relevant information available.

12.4 Mobility in soil:
No further relevant information available.

12.5 Results of PBT and vPvB assessment:
Not applicable.

12.6 Other adverse effects:
No further relevant information available.

SECTION 13. Disposal considerations

13.1 Waste treatment methods:
Dispose of contents/container to in accordance with local/regional/national/international regulations.

SECTION 14. Transport information

14.1 UN number: Void
14.2 UN proper shipping name: Void
14.3 Transport hazard class (es): Void
14.4 Packing group: Void



SAFETY DATA SHEET

page 6/6
VINTAGE ZR
OPAQUELINER PORCELAIN
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- 14.5 Environmental hazards: No further relevant information available.
14.6 Special precautions for user: Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

SECTION 15. Regulatory information

Follow all regulations in your country.

SECTION 16. Other information

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

NFPA ratings (scale 0-4)

Glycerin;



Health = 1
Fire = 1
Reactivity = 0

Propylene Glycol;



Health = 0
Fire = 1
Reactivity = 0

HMIS ratings (scale 0-4)

Glycerin;

Health Hazard	1
Fire Hazard	1
Reactivity	0

Health = 1
Fire = 1
Reactivity = 0

Propylene Glycol;

Health Hazard	0
Fire Hazard	1
Reactivity	0

Health = 0
Fire = 1
Reactivity = 0

Relevant phrases:

H320 Causes eye irritation.

Abbreviations and acronyms:

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative