

# MATERIAL SAFETY DATA SHEET

## 1. Identification of the Product and the Company

### 1.1 Product Name:

**V NTAGE ZR Opaqueline Porcelain**

### 1.2 Company /Undertaking identification

Manufacturer s Name: Shofu Dental Corporation  
 Address: 1225 Stone Drive, San Marcos, CA 92078  
 Phone Number for Information: 760-736-3277  
 Signature of Preparer:  
 Date Prepared: 2005.10.18

### 1.3 Emergency Telephone Number

1-800-535-5053

## 2.Composition/Information on Ingredients

No hazardous material are present present in the ingredient.

Glycerine	≐22%
Plopylen glycol	≐6%
Powder contents(Glass frit,colorant)	remnant

## 3.Hazardous Identification

3.1 Route of Entry :	Inhalation: may be	Skin: may be	Ingestion: may be
3.2 Health Hazard(Acute and Chronic)	At grinding and polishing work of this materials may arise the dusts that are similar to nuisance dust by ACGIH.-TLV. Respirable dust may cause chronic lung injury.		
	Skin or eye contact may cause irritation.		
	Swallowing may be harmful.		
3.3 Carcinogenicity	N/A		

## 4.First Aid Measures

4.1 Eye contact :	Flush promptly with flowing water and consult physician, if necessary.
4.2 Skin contact :	Wash immediately with water and mild soap.
4.3 Ingestion :	Give at least 3-4 glasses of water and seek medial advice, if necessary.
4.4 Inhalation:	N/A

## 5.Fire-fighting Measures

5.1 Suitable Extinguishing Media:	water, 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:	N/A

## 6.Accidental Release Measures

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

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## 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

- |                                    |                                 |         |           |
|------------------------------------|---------------------------------|---------|-----------|
| <b>8.1 Exposure limits:</b>        | Chemical name                   | CAS No. | ACGIH TLV |
|                                    | N/A                             | N/A     | N/A       |
| <b>8.2 Respiratory Protection:</b> | Local exhaust may be required.  |         |           |
| <b>8.3 Hand Protection:</b>        | N/A                             |         |           |
| <b>8.4 Eye Protection:</b>         | Safety goggles may be required. |         |           |
| <b>8.5 Skin Protection:</b>        | N/A                             |         |           |

## 9. Physical And Chemical Properties

- |  |   |
|--|---|
| <b>9.1 Appearance/Odor</b>               | viscous, odorless paste   |
| <b>9.2 Boiling Point/Boiling Range:</b>  | 220°C   |
| <b>9.3 Melting Point/Melting Range:</b>  | -20°C   |
| <b>9.4 Flash point:</b>                  | 108°C   |
| <b>9.5 Auto flammability:</b>            | 375°C   |
| <b>9.6 Explosive Properties:</b>         | N/A   |
| <b>9.7 Oxidizing Properties:</b>         | N/A   |
| <b>9.8 Vapour Pressure:</b>              | N/A   |
| <b>9.9 Relative Density:</b>             | approx.2  |
| <b>9.10 Solubility:</b> water solubility | liquid content(≈28%) is soluble, solid contents are not soluble |

## 10. Stability And Reactivity

Stable. Keep away from oxidising material.

## 11. Toxicological Information

N/A

## 12. Ecological Information

## 13. Disposal Conditions

Disposal in accordance with federal, state and local regulations.

## 14. Transport Information

No special precautions are required.

## 15. Regulatory Information

## 16. Other Information

Handling of this product exclusively by dental specialists according to instruction for use.