

# MATERIAL SAFETY DATA SHEET

## 1. Identification of the Product and the Company

### 1.1 Product Name:

**VNTAGE ZR Porcelain powder (Margin(Margin/Effect)/Body (Opaque Dentin/Body  
/Opal Porcelain/Opal Effect/Enamel Effect/Cervical/Color Effect)  
/Cervical Trans/Correction(Correction/Gum))**

### 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

Glass frit component	SiO <sub>2</sub>	.....	50~65%
	Al <sub>2</sub> O <sub>3</sub>	.....	10~20
	K <sub>2</sub> O	.....	5~10
	Na <sub>2</sub> O	.....	5~10
	CaO	.....	1~5
	B <sub>2</sub> O <sub>3</sub>	.....	0~5
	Sb <sub>2</sub> O <sub>3</sub>	.....	0~0.05
Others	.....	.....	0~5

## 3. Hazardous Identification

- 3.1 *Route of Entry* : Inhalation: may be Skin: N/A Ingestion: N/A  
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.  
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* : N/A  
4.3 *Ingestion* : N/A  
4.4 *Inhalation*: N/A

## 5. Fire-fighting Measures

- 5.1 *Suitable Extinguishing Media*: N/A  
5.2 *Extinguishing Media Should not be used* : N/A  
5.3 *Special Exposure Hazards Arising*: N/A  
5.4 *Special Protective Equipment*: N/A

## 6. Accidental Release Measures

- 6.1 *Personal Precautions*: Don't breath dust.  
6.2 *Methods for Cleaning Up*: Sweep and wipe up.

issue 2

## MATERIAL SAFETY DATA SHEET

### 7. Handling And Storage

*7.1 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 Storage:* Store in a cool, dry and dark place with lid tightly closed.

### 8. Exposure Controls/Personal Protection

<i>8.1 Exposure limits:</i>	Chemical name	CAS No.	ACGIH TLV
	N/A		

*8.2 Respiratory Protection:* Local exhaust and dust mask may be required.

*8.3 Hand Protection:* N/A

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

*8.5 Skin Protection:* N/A

### 9. Physical And Chemical Properties

*9.1 Appearance/Odor* Odorless powder

*9.2 Boiling Point/Boiling Range:* N/A

*9.3 Melting Point/Melting Range:* N/A

*9.4 Flash point:* N/A

*9.5 Auto flammability:* N/A

*9.6 Explosive Properties:* N/A

*9.7 Oxidizing Properties:* N/A

*9.8 Vapour Pressure:* N/A

*9.9 Relative Density:* approx.2.2

*9.10 Solubility:* water solubility Insoluble

### 10. Stability And Reactivity

Stable

### 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.