

# MATERIAL SAFETY DATA SHEET

## 1. Identification of the Product and the Company

### 1.1 Product Name:

VINTAGE HALO Opaque powder / Red Shift Opaque powder / Opaque Modifier

### 1.2 Company /Undertaking Identification

Manufacturer's Name: SHOFU INC.

Address: 11-Kamitakamatsu-Chō Fukunine Higashiyamaku Kyoto 605 ,JAPAN

Phone Number for Information: 81-75-561-1112

Signature of Preparer:

Date Prepared: 2001. 05. 07

### 1.3 Emergency Telephone Number

81-75-561-1112

## 2. Composition/Information on Ingredients

Glass component	SiO <sub>2</sub>	.....	36~60 %
	Al <sub>2</sub> O <sub>3</sub>	.....	10~25
	K <sub>2</sub> O	.....	7~10
	TiO <sub>2</sub>	.....	20~30
	Pigment	.....	0~ 10

No hazardous material are present present in the ingredient..

## 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: N/A

6.2 Methods for Cleaning Up: Sweep and wipe up.

## 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

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

**9. Physical And Chemical Properties**

<i>9.1 Appearance/Odor</i>	Odorless powder
<i>9.2 Boiling Point/Boiling Range:</i>	N/A
<i>9.3 Melting Point/Melting Range:</i>	N/A
<i>9.4 Flash point:</i>	N/A
<i>9.5 Auto flammability:</i>	N/A
<i>9.6 Explosive Properties:</i>	N/A
<i>9.7 Oxidizing Properties:</i>	N/A
<i>9.8 Vapour Pressure:</i>	N/A
<i>9.9 Relative Density:</i>	approx.2.2
<i>9.10 Solubility: water solubility</i>	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.