

# MATERIAL SAFETY DATA SHEET

## 1. Identification of the Product and the Company

### 1.1 Product Name:

**VNTAGE HALO** Isolation liquid

### 1.2 Company /Undertaking identification:

Manufacturer s Name: SHOFU INC.

Address: 11-Kamitakamatsu-Cho Fukunine Higashiyamaku Kyoto 605-0983 ,JAPAN

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

Signature of Preparer:

Date Prepared: 2002.12.20

### 1.3 Emergency Telephone Number

++81-75-561-1112

## 2. Composition/Information on Ingredients

No hazardous materials are present in the ingredients.

HCFC141b >90%

## 3. Hazardous Identification

- 3.1 Route of Entry : Inhalation: may be Skin: Ingestion: may be  
 3.2 Health Hazard(Acute and Chronic) Eyes or skin contact may cause irritation.  
 3.3 Carcinogenicity N/A

## 4. First Aid Measures

- 4.1 Eye contact : Rinse immediately with plenty of water and seek medical advice, if necessary.  
 4.2 Skin contact : Wash with water and mild soap.  
 4.3 Ingestion : If swallowed, seek medical advice immediately, and show this paper.  
 4.4 Inhalation: Rest in the fresh air.

## 5. Fire-fighting Measures

- 5.1 Suitable Extinguishing Media: Foam, CO<sub>2</sub>, Powder  
 5.2 Extinguishing Media Should not be used :  
 5.3 Special Exposure Hazards Arising: Irritation gasses and fumes may emit.  
 5.4 Special Protective Equipment: Wear fire protective cloth and gas mask or 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.  
 Use in the room under temperature 30°C.  
 7.2 Storage: Store under 30°C and normal dry conditions. Keep containers tightly closed.

## 8. Exposure Controls/Personal Protection

- 8.1 Exposure limits: Chemical name CAS No. ACGIH TLV  
 All ingredients are not assigned.

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- 8.2 Respiratory Protection: Local exhaust may be required.  
 8.3 Hand Protection: Plastic rubber gloves  
 8.4 Eye Protection: Safety goggles may be required.  
 8.5 Skin Protection: Not required (Observe normal care when working with chemicals.)

## 9. Physical And Chemical Properties

- 9.1 Appearance/Odor: Slightly brownish translucent liquid with benzoic odor.  
 9.2 Boiling Point/Boiling Range: 32°C  
 9.3 Melting Point/Melting Range:  $\approx -103^{\circ}\text{C}$   
 9.4 Flash point: N/A  
 9.5 Auto flammability:  
 9.6 Explosive Properties: N/D  
 9.7 Oxidizing Properties: N/D  
 9.8 Vapour Pressure: N/D  
 9.9 Relative Density: approx.1.2  
 9.10 Solubility: water solubility not soluble

## 10. Stability And Reactivity

- 10.1 Condition to avoid: Stable in the normal condition.  
 10.2 Material to avoid:  
 10.3 Hazardous Decomposition Products: In case of fire, may arise toxic gas as HCl and/or HF.

## 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.