

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, CO₂, 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.