SAFETY DATA SHEET

1. Identification of the Substance and Company
   **Alcare Plus**
   Antiseptic Handrub with Emollients

   **Product No. 6399**
   **MSDS No. 6399**

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Emergency Telephone No.1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)
Telephone Number for Information: 1-800-548-4873 (Customer Service-Healthcare Products)

2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Component(s)</th>
<th>% By Wt.</th>
<th>CAS No.</th>
<th>EU No.</th>
<th>Symbol</th>
<th>R Phrases</th>
<th>Oral LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>30 - 60</td>
<td>64-17-5</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>7600mg/kg (rat)</td>
<td>8000ppm/4hr (rat)</td>
</tr>
<tr>
<td>1,1-Difluoroethane</td>
<td>1 - 5</td>
<td>75-37-6</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>&gt;1500mg/kg (rat)</td>
<td>383000ppm/4hr (rat)</td>
</tr>
<tr>
<td>Isobutane</td>
<td>1 - 5</td>
<td>75-28-5</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>ND</td>
<td>ND</td>
</tr>
</tbody>
</table>


4. First Aid Measures

   **Eye Contact:** Flush eyes immediately with water for at least 15 minutes. Get medical attention if irritation develops.  
   **Skin:** Discontinue use if irritation and redness develop.  
   **Inhalation:** Remove patient to fresh air. If not breathing, give artificial respiration. Get medical attention.  
   **Ingestion:** Do not induce vomiting. Get medical attention. Do not give anything by mouth to an unconscious person. If conscious, drink large quantity of milk or water.

5. Fire-Fighting Measures

   **Conditions of Flammability/Flash Point:** NA  
   **Autoignition Temperature:** ND  
   **Flammable Limits:** LEL: ND  
   **Flammability Classification:** NFPA 30B Level I Aerosol  
   **Special Hazards:** Product is a pressurized alcohol-water mixture in an aerosol can.  
   **Explosibility Data:** NA  
   **Extinguishing Media:** Suitable for surrounding fire - water, foam, dry chemical, CO2.  
   **Special Fire Fighting Procedures:** If pressurized caps rupture, treat as an alcohol fire.  
   **Hazard Combustion Products:** Combustion will produce CO, CO2.

6. Accidental Release Measures: Remove all sources of heat or ignition. Flush with water to drain.

7. Handling and Storage

   **7.1 Handling:** This product is RUINED BY FREEZING.  
   **7.2 Storage:** Store and use at 55-85F, but DO NOT store above 120F. Close container after use. Store at normal room temperature for 24-48 hours following any prolonged exposure to the cold.

8. Exposure Control/Personal Protection

   **8.1 Occupational Exposure Limits:**  
   Ethyl alcohol: ACGIH TLV and OSHA PEL = 1,000 ppm

9. Physical and Chemical Properties

   **Solubility in Water:** Soluble  
   **Physical State/Appearance/Odor:** White foam (as dispensed)/Mild alcohol odor.

10. Stability and Reactivity

   **Stability:** Stable  
   **Hazardous Polymerization:** Will not occur.  
   **Incompatible Materials:** None known.

11. Toxicological Information

   **11.1 Acute (Primary Routes of Exposure)**
   - **Eyes (Irritancy):** Direct spray will irritate eyes.
   - **Ingestion:** Acute Oral LD50 (rats) >5,000 mg/kg. Dizziness, headache may occur if ingested.
   - **Skin (Irritancy or Sensitization):** Not a primary skin irritant.

12. Ecological Information:

   None available

13. Disposal Considerations:  
   Product may be flushed to a sanitary sewer with copious amounts of water, if in accordance with state, local and federal regulations. For additional guidance, contact the State Water Board or the Regional Office of the EPA.

14. Transport Information

   **Ground:** Shipping Name: Consumer Commodity  
   **Hazard Class:** ORM-D  
   **Sea:** IMDG Class: Aerosols, Flammable Gas, 2.1, UN 1950, LTD QTY  
   **Air:** US – CFR 49: Consumer Commodity, ORM-D-AIR  
   **ICAO/IATA Class:** Aerosols, Flammable Gas, 2.1, UN 1950, LTD QTY (Appropriate markings/labels not supplied on case – case requires full shipping name and flammable diamond)

15. Regulatory Information: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulation

16. Other Information: The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instruction or recommendations are not followed.

   **NA - Not Applicable**  
   **ND - No Data**

**8.2 Personal Protection**

   **Respirator Protection:** NA  
   **Eye Protection:** NA  
   **Protective Gloves:** NA  
   **Other Protective Clothing and Equipment:** NA  
   **Engineering Controls/Ventilation:** Normal room ventilation.

**9.1 Personal Protection**

   **Respirator Protection:** NA  
   **Eye Protection:** NA  
   **Protective Gloves:** NA  
   **Other Protective Clothing and Equipment:** NA  
   **Engineering Controls/Ventilation:** Normal room ventilation.