

**Benzalkonium Chloride 0.13% Solution**  
**MATERIAL SAFETY DATA SHEET**

Date: 3/17/99

**Section 1****Company and Product Information**

RUSH & HEBBLE CO., INC.  
6973 SO. U.S. 31  
EDINBURGH, IN. 46124

Phone: 812-526-8550  
Emergency: 812-526-8550  
Emergency:

**Product:** Benzalkonium Chloride 0.13% Solution - CURECHROME  
**Chemical Name:** (Active) N-Alkyl (C12-16)-N, N-dimethyl-N-benzalammonium chloride

**Section 2****Hazardous Ingredients/Identity Information****D.O.T. Identification:** Not Regulated**Hazardous Components:**

Benzalkonium Chloride, 0.13%, CAS No. 68391-01-5, OSHA - PEL not listed  
ACGIH - TLV not listed

**Section 3****Physical/Chemical Characteristics**

|                                  |          |                             |                                  |
|----------------------------------|----------|-----------------------------|----------------------------------|
| <b>Boiling Point:</b>            | 212°F    | <b>Appearance and Odor:</b> | clear liquid - or<br>slight pink |
| <b>Vapor Pressure (min. Hg):</b> | unknown  | <b>Specific Gravity:</b>    | about 1.0                        |
| <b>Vapor Density:</b>            | unknown  | <b>Melting Point:</b>       | N/A                              |
| <b>Solubility in water:</b>      | complete | <b>Evaporation Rate:</b>    | about 1.0                        |

**Section 4****Fire and Explosion Hazard Data**

|                                            |     |
|--------------------------------------------|-----|
| <b>Flash Point (method used):</b>          | N/A |
| <b>Flammable Limits:</b>                   | N/A |
| <b>Extinguishing media:</b>                | N/A |
| <b>Special Fire Fighting Procedures:</b>   | N/A |
| <b>Unusual Fire and Explosion Hazards:</b> | N/A |

**Section 5****Reactivity Data**

|                                               |                                                                                                  |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Stability:</b>                             | stable                                                                                           |
| <b>Incompatibility (materials to avoid):</b>  | soap, sulfated oils or Anionic Surfactants                                                       |
| <b>Hazardous Decomposition or Byproducts:</b> | toxic organic vapors/fumes of amines, hydrogen<br>chloride, oxides of carbon, oxides of nitrogen |
| <b>Hazardous Polymerization:</b>              | will not occur                                                                                   |

**Benzalkonium Chloride 0.13% Solution****Section 6****Health Hazard Data**

Do not get in eyes, on skin in large amounts, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination with food. Avoid breathing spray mist.

Not listed as carcinogenic by: National Toxicology Program, IARC Monographs, OSHA.

**Section 7****Emergency and First Aid Procedures**

**FIRST AID:** in case of contact, immediately flush eyes with plenty of water for at least 15 minutes, call physician. Remove and wash contaminated clothing before reuse.

**Internal:** Get immediate medical attention. If swallowed, give 3 - 4 glasses of milk. If unavailable, give water.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed. Do not induce vomiting.

**Inhalation:** Get to fresh air. Get immediate medical attention.

**Section 8****Spill, Leak and Disposal Procedures**

**Steps to be taken in case material is released or spilled:**

Pick up excess with shovel or absorbent material and place in separate container. Flush remaining spill with water.

**Waste disposal method:**

Material placed in container should be disposed of according to local provisions.

**Section 9****Exposure Control/Personal Protection**

**Respiratory Protection:** Not required with adequate ventilation.

**Ventilation:** Normal

**Protective Glove:** Non-absorbent

**Eye Protection:** Wear goggles or face shield

**Other protection:** Protective apron

**Section 10****Precaution for Safe Handling and Storage**

Store in tight container at room temperature. Keep out of reach of children. Avoid contact with aluminum, brass, copper, black iron, or plain steel. Keep from freezing.

Store below 140°F.

The above information is believed to be correct but should only be used as a guide. Century Pharmaceuticals, Inc. disclaims any express or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental or consequential damages resulting from reliance on the above information.

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