

## Section 1: Product &amp; Company Identification

TRADE NAME: ..... DICAL-2      #679  
 EPA NUMBER: ..... EPA REG. NO. 10324-63-4482  
 COMPANY NAME: ..... EPIC INDUSTRIES  
 COMPANY ADDRESS: ..... 1007 JERSEY AVENUE, NEW BRUNSWICK, NJ 08901  
 TELEPHONE NUMBER: ..... 1 (800) 221-3742  
 EMERGENCY PHONE #: ..... 1 (800) 255-3942 CHEM-TEL, INC.  
 PRODUCT HAZARD RATINGS: HEALTH=2, FIRE=1, REACTIVITY=0  
 RATINGS LEGEND: 4=EXTREME, 3=SERIOUS, 2=MODERATE, 1=SLIGHT, 0=MINIMAL

## Section 1: Identity

**Chemical Family:** Quaternary Ammonium Compound  
**Formula:**  $[R_1-N(CH_3)_2CH_2C_6H_5]^+Cl^- \cdot [R_2-N(CH_3)_2CH_2C_6H_4C_2H_5]^+Cl^-$   
**Chemical Name:** Alkyl (60%C<sub>14</sub>, 30%C<sub>16</sub>, 5%C<sub>12</sub>, 5%C<sub>18</sub>) dimethyl benzylammonium chloride  
 plus Alkyl (68%C<sub>12</sub>, 32%C<sub>14</sub>,) dimethyl ethylbenzylammonium chloride  
**C.A.S. No.:** 68391-01-5  
 68956-79-6  
**DOT Proper Shipping Name:** Disinfectants, Liquid, Corrosive NOS (Quaternary Ammonium Compound), 8, UN 1903,  
 P.G. III

## Section 2: Hazardous Ingredients

	<u>Weight</u>	<u>TWA/TLV</u>
Alkyl dimethyl benzyl ammonium chloride	5.0%	ND
Alkyl dimethyl ethylbenzyl ammonium chloride	5.0%	ND

## Section 3: Physical and Chemical Characteristics (Fire &amp; Explosion Data)

**Boiling Point:** ND      **pH:** 6-8  
**Percent Volatile (by weight):** 90%      **Evaporation Rate:** ND (Butyl Acetate=1)  
**Solubility In Water:** Soluble      **Vapor Pressure:** ND  
**Appearance and Odor:** Colorless to light straw in color,      **Specific Gravity:** ND(H<sub>2</sub>O = 1)  
 Benzaldehyde Odor  
**Flash Point** ND      **Auto Ignition Temp.:** ND  
**Lower Explosion (%):** ND      **Upper Explosion (%):** ND  
**Extinguishing Media:** Dry Chemical, Water Fog, CO<sub>2</sub>, Foam  
**Special Fire Fighting Procedures:** Cool fire exposed containers with spray, Must wear MSHA/NIOSH approved self-contained breathing apparatus.  
**Unusual Fire Explosion Hazards:** Explosive mixtures can form with air. Combustion products are toxic. Solvents vapors can travel to an ignition source and flash back.

## Section 4: Physical Hazards

**Stability:** Stable  
**Conditions to avoid:** NA  
**Incompatibility:** Strong oxidizers or reducing agents  
**Conditions to avoid:** Mixing with strong oxidizers or reducing agents  
**Hazardous Polymerization:** Will not occur  
**Hazardous Decomposition Products:** Toxic hydrogen chloride fumes, oxides of carbon and nitrogen.

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**Section 5: Health Hazards**

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**Routes of Entry:** Skin Contact, Inhalation, Eye Contact.

**Inhalation:** Irritation of mucous membrane can be caused by solvent vapors or mists of products.

**Eye Contact:** Corrosive. Severe eye damage can result from direct contact.

**Skin Contact:** Severe Irritation

**Ingestion:** May be fatal. Burning pain in the mouth, throat, abdomen, severe swelling of the larynx, skeletal muscle paralysis affecting the ability to breathe, circulatory shock, convulsions.

**First Aid:**

**Skin and eye:** In case of contact, immediately flush the eyes and skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

**Ingestion:** If swallowed drink promptly, a large quantity of egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately. Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

**Chemicals Listed as Carcinogen by:**

OSHA -NO

I.A.R.C. Monographs -NO

National Toxicology Program -NO

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**Section 6: Toxicity**

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Acute Oral LD<sub>50</sub> 650 mg/kg for males and females combined - Run on 50% material

Acute Dermal greater than 2000 mg/kg - Run on 50% material

Primary Skin - Severe Irritant

Primary Eye - Corrosive

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**Section 7: Special Protection Information**

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**Ventilation type:** mechanical (Explosion proof)

**Respiratory Protection:** None required if good ventilation is maintained. For mist or vapor wear NIOSH Approved respirator.

**Protective Gloves:** Rubber or Neoprene

**Eye Protection:** Splashproof safety goggles

**Other Equipment:** Impervious apron, eyewash facility, emergency shower, faceshield.

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**Section 8: Special Precautions and Spill/Leak Procedure**

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**Handling and Storage:** Keep from freezing. Store in original container.

**Spill and Leak Procedure:** Remove ignition sources. Wear respirator. Small spills may be mopped up, flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous wastes.

**Waste Disposal:** Incinerate. Make sure that all federal, state and local regulations are observed.

APPROVAL

LAWRENCE Y. LIOU  
NAME

TECHNICAL DIRECTOR  
TITLE

103/20/05  
DATE

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NA - NOT APPLICABLE

NE - NOT ESTABLISHED

UN - UNAVAILABLE