

Section 1: Product & 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) 255-3924 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: $[R_1-N(CH_3)_2CH_2C_6H_5]^+Cl^- [R_2-N(CH_3)_2CH_2C_6H_4C_2H_5]^+Cl^-$
Chemical Name: Alkyl (60%C₁₄, 30%C₁₆, 5%C₁₂, 5%C₁₈) dimethyl benzylammonium chloride
 plus Alkyl (68%C₁₂, 32%C₁₄) 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 & 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, Benzaldehyde Odor **Specific Gravity:** ND(H₂O = 1)
Flash Point ND **Auto Ignition Temp.:** ND
Lower Explosion (%): ND **Upper Explosion (%):** ND
Extinguishing Media: Dry Chemical, Water Fog, CO₂, 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.

Section 5: Health Hazards

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

Section 6: Toxicity

Acute Oral LD₅₀ 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

Section 7: Special Protection Information

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.

Section 8: Special Precautions and Spill/Leak Procedure

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

JOHN YOUSSEF
NAME

TECHNICAL DIRECTOR
TITLE

10/26/08
DATE

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NA - NOT APPLICABLE

NE - NOT ESTABLISHED

UN - UNAVAILABLE