

Product Class: Quaternary Ammonium Compound
Product Use: RTU Disinfectant/Sanitizer **EPA No. 10324-85-4482**

Section 1: Product & Company Identification

COMPANY NAME.....EPIC INDUSTRIES
COMPANY ADDRESS.....1007 JERSEY AVENUE, NEW BRUNSWICK, NJ 08901
TELEPHONE NUMBER.....1 (800) 221-3742
EMERGENCY PHONE #..... Chemtrec 1-800-424-9300 or 1-703-527-3887
PRODUCT HAZARD RATINGS: HEALTH = 1, FIRE = 0, REACTIVITY = 0
RATING LEGEND: 4 = EXTREME, 3 = SERIOUS, 2 = MODERATE, 1 = SLIGHT, 0 = MINIMAL

Section 2: Composition/Information on Ingredients

Ingredient	CAS #	Wt. %
Alkyl dimethyl benzyl ammonium chloride (C ₁₂₋₁₆)	68424-85-1	< 0.1
Octyl decyl dimethyl ammonium chloride	32426-11-2	< 0.1
Dioctyl dimethyl ammonium chloride	5538-94-3	< 0.1
Didecyl dimethyl ammonium chloride	7173-51-5	< 0.1

Section 3: Hazards Identification

Emergency Overview Clear, light blue liquid. May be mildly irritating.

Potential Health Effects:

Skin: May be mildly irritating. Very large exposure may be harmful.
Eyes: May cause irritation.
Inhalation: Mists and vapors may be mildly irritating to the throat and respiratory tract.
Ingestion: Harmful if swallowed.
Chronic: None

Section 4: First Aid Measures

Eyes: Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.
Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation: If symptoms are experienced, move victim to fresh air.
Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Note to Physician: Possible mucosal damage may contraindicate the use of gastric lavage.

Section 5: Fire Fighting Measures

Flash Point: None when heated to 102°C (Cleveland Open Cup).
Upper & Lower Flame Limits Not determined.
Extinguishing Media: Use any agent appropriate for surrounding fire.
Fire Fighting Equipment & Instructions: Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.
Hazardous Combustion Products: Irritating and toxic gases or fumes may be released during a fire.

Section 6: Accidental Release Measures

Spill and Leak Procedures

Emergency Action: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind.
Spill Cleanup: Ventilate closed spaces before entering. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Large Spills: Dike far ahead of liquid spill for later disposal.

Section 7: Handling & Storage

Handling Procedures: Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.
Storage Procedures: Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits.

Personal Protective Equipment:

- Eyes/Face:** Wear safety glasses or chemical goggles.
- Skin:** Use impervious gloves (rubber or neoprene). Wear suitable protective clothing.
- Respiratory:** Not normally required.
- General:** Eye wash fountain and emergency showers are recommended.

The following ingredients have established exposure guidelines:

Ingredient	Exposure Guideline	Guideline Value
No ingredients listed in this section		

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.

Section 9: Physical & Chemical Properties

Flash Point:	None when heated to 102°C (Cleveland Open Cup).	VOC Content	Not determined.
Specific Gravity:	0.9992 (8.34 lbs./gal.)	Vapor Density:	Not determined.
Percent Volatiles:	Not determined.	Viscosity:	0.955 mm ² /s (cSt)
Vapor Pressure:	Not determined.	Evaporation Rate:	Not determined.
Pour Point:	Not determined.	pH :	7.99
Appearance and Odor: Clear, light blue liquid. Clear, with (organic) odor.			

Section 10: Stability & Reactivity

- Chemical Stability:** Material is stable.
- Conditions to Avoid:** Keep away from strong oxidizing agents.
- Incompatibilities:** Strong oxidizing agents, reducing agents.
- Hazardous Decomposition:** Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors.
- Hazardous Polymerization:** Will not occur.

Section 11: Toxicological Information

- Carcinogenicity** No Carcinogenicity data available for this product.
- Acute Oral LD50** > 5,000 mg/kg in rats
- Acute Dermal** > 2,000 mg/kg in rats
- Primary Skin** Not an irritant.
- Primary Eye** Mildly irritating.

Chemicals Ingredients Listed as Potential or Known Carcinogens

Ingredient	OSHA	NTP	IARC
No ingredients listed in this section.			

Section 12: Ecological Information

Ecotoxicity Very Toxic to aquatic organisms
Environmental Fate This product is biodegradable

Section 13: Disposal Considerations

Disposal Instructions

This substance, when discarded or disposed of, is a characteristic hazardous waste according to Federal regulation (40 CFR 261) and is assigned the EPA Hazardous Waste Number of D001. The discarding or disposal of this material must be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

Section 14: Transport Information

- DOT Hazard Class** Not regulated.
- DOT Proper Shipping Name** Not applicable.

APPROVAL TECHNICAL DIRECTOR 4/14/10

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