



H&S Chemicals Division

FMB 28-15 QUAT
CONCENTRATED GERMICIDE

I. INGREDIENT STATEMENT

Active Ingredients:

n-Alkyl *(C ₁₄ 58%, C ₁₂ 14%, C ₁₆ 28%) dimethyl benzyl ammonium chloride	50Z
Ethanol	10Z
Inert Ingredients	40Z
TOTAL 100Z	

II. CHEMICAL AND PHYSICAL PROPERTIES

- A. Appearance: An almost white to pale yellow liquid with a mild odor. Congealing may occur during prolonged storage at low temperatures; product will return to homogeneous state upon warming to room temperature.
- B. Specific Gravity at 25°C: 0.931-0.941
- C. pH (10% solution in distilled water): 6.0-8.0
- D. Activity: 80% minimum
- E. Average Molecular Weight: 370.8
- F. Amine Hydrochloride: 0.50% maximum
- G. Free Amine plus Amine Hydrochloride: 1.5% maximum
- H. Flash Point (TCC): 96°F
- I. Solubility: Freely soluble in water, lower alcohols, ketones and glycols.
- J. Compatibility: FMB 28-15 Quat is compatible with inorganic detergent builders, organic chelates, nonionic surface active agents and most polar solvents. FMB 28-15 Quat is cationic; and therefore, is incompatible with soap and anionic surface active agents.

III. ACUTE TOXICITY TEST RESULTS

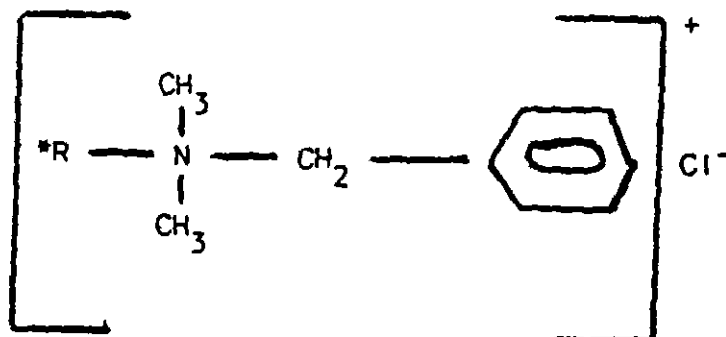
- A. Eye irritation: corrosive irritant
- B. Primary skin irritation: severe, corrosive irritant
- C. Oral LD₅₀: 0.5 g/kg
- D. Dermal LD₅₀: 651 mg/kg

ACCEPTED
SEP 14 1989

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under 47371-85
EPA Reg. No.

03/17/89

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dimethyl benzyl ammonium chloride

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