



H&S Chemicals Division

FMB 28-28 QUAT

CONCENTRATED GERMICIDE

I. INGREDIENT STATEMENT

Active Ingredient

n-alkyl (C₁₄ 50%, C₁₂ 14%, C₁₆ 28%) dimethyl benzyl ammonium chloride 80.0%

Inert Ingredients 20.0%

Total 100.0%

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% min.
- 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 28-28 Quat is compatible with inorganic detergent builders, organic chelates, nonionic surface active agents and most polar solvents. FMB 28-28 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

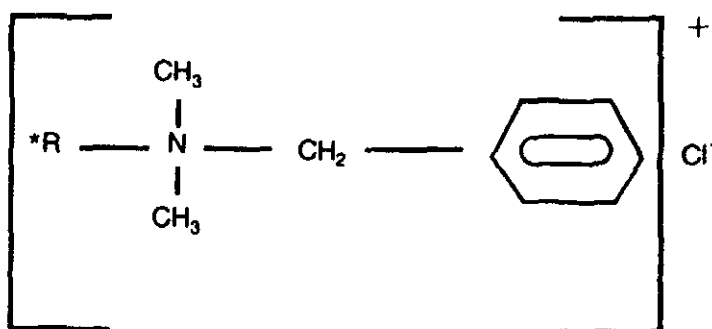
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Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under 47371-62
EPA Reg. No.

032790

2072

FMB 28-28 QUAT



n-Alkyl * (C₁₄ 58%, C₁₆ 28%, C₁₂ 14%)
dimethyl benzyl ammonium chloride
EPA Registration #47371-62