

PM 31 47371-62 1051

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

H&S Chemicals Division
970 East Tipton Street
Huntington, IN 46750

Attention: Richard D. Sheets

Product Name: FMB 28-28 Quat
Registration Number 47371-62
Application Date 12-22-89

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- a. In the Technical Data Sheet, delete [redacted] from the active ingredients. This ingredient should be listed with the inert ingredients. Note that the label does not declare [redacted] as an active ingredient.
- b. Delete the asterisk (*) following the word Alkyl.
- c. The percentage as declared on your label must be declared on the Technical Data Sheet.
- d. Delete the letter (s) from the active ingredient since there is only one active ingredient.

Submit five (5) copies of your final printed labeling before you release the product for shipment.

Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

59116:I:DeLaney:LL-11:KENCO:02/21/90:03/26/90:DD:SW:VO:EK:DD


CONCURRENCES

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

-2-

If you have any questions concerning this letter, please contact Martha DeLaney at (703) 557-6982.

Sincerely yours,


John H. Lee
Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7505C)

FMB 28-28 QUAT
CONCENTRATED GERMICIDE

I. INGREDIENT STATEMENT

Active Ingredients:

n-Alkyl *(C₁₄ 58%, C₁₂ 14%, C₁₆ 28%)
dimethyl benzyl ammonium chloride. 50%
Ethanol. 10%
Inert Ingredients 40%

TOTAL 100%

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 28-28 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

12-22-88

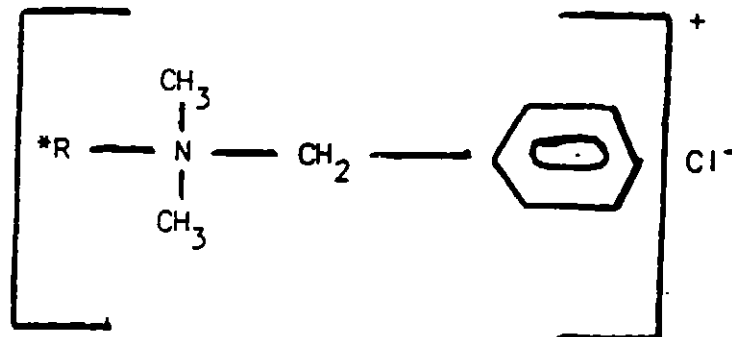
ACCEPTED
with COMMENTS
in EPA Letter dated:

MAR 06 1990

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for sale and use registered under EPA Reg. No.

47371-62

FMB 28-28 Quat



n-Alkyl *(C₁₄ 58%, C₁₆ 28%, C₁₂ 14%)

dimethyl benzy, ammonium chloride

EPA Registration #47371-62

12-22-88

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 06 1990

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

47371-62

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970 East Tipton Street
Huntington, IN 46750

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Product Name: FMB 28-28 Quat
Registration Number 47371-62
Application Date 12-22-89

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. In the Technical Data Sheet, delete "Ethanol" from the active ingredients. This ingredient should be listed with the inert ingredients. Note that the label does not declare "Ethanol" as an active ingredient.
 - b. Delete the asterisk (*) following the word Alkyl.
 - c. The percentage as declared on your label must be declared on the Technical Data Sheet.
 - d. Delete the letter (s) from the active ingredient since there is only one active ingredient.

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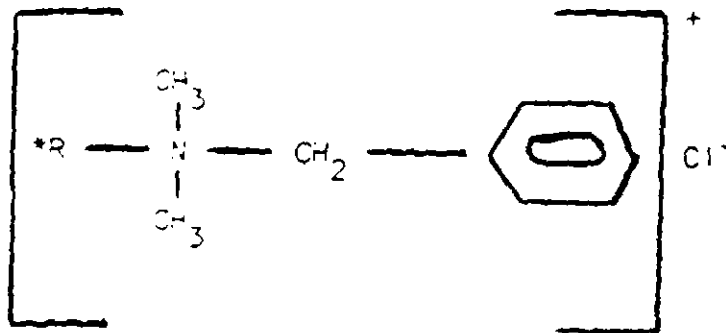
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Sincerely yours,


John H. Lee
Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7505C)

FMB 28-28 Quat



n-Alkyl *(C₁₄ 58%, C₁₆ 28%, C₁₂ 14%)

dimethyl benzyl ammonium chloride

EPA Registration #47371-62

12-22-88:

ACCEPTED
with COMMENTS
in EPA Letter D-1111

MAR 06 1990

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, this product is registered under EPA Reg. No.

47371-62