



HuntingtonTM

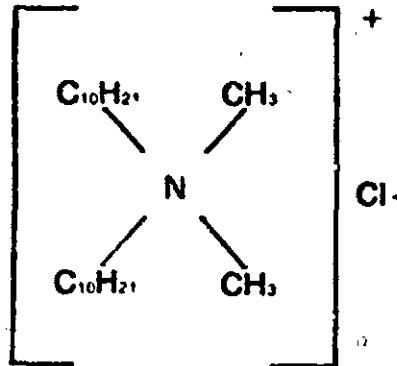


H&S Chemicals Division

FMB 210-8 QUAT

concentrated germicide

EPA Chemical Reference Number: 69149



didecyl dimethyl ammonium chloride

ACCEPTED
with COMMENTS
in EPA Letter Dated:

AUG 05 1983

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

47371-47

EPA Registration Number 47371-47

HS-II

970 East Tipton, Huntington, Indiana 46750 219/358-8100

FMB 210-8 QUAT

concentrated germicide

I. INGREDIENT STATEMENT

Active Ingredients:	
didecyldimethyl ammonium chloride.....	80.0%
Inert Ingredients.....	20%
Total	100.0%

II. CHEMICAL AND PHYSICAL PROPERTIES

- A. Appearance: A colorless to pale yellow liquid with a mild solvent 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. 0.8842 - 0.8862
- C. pH (10% solution in distilled water): 6.0 - 8.0
- D. Activity: 80% min.
- E. Color (Gardner): 3 max.
- F. Average molecular weight: 361
- G. Amine Hydrochloride: 2.75% max.
- H. Free amine plus Amine Hydrochloride: 3.0% max.
- I. Solubility: Freely soluble in water, lower alcohols, ketones, and glycols.
- J. Flash Point (TCC Method): 94°F.
- K. Compatibility: FMB 210-8 Quat is compatible with detergent builders, organic chelates, nonionic surface active agents, and most polar solvents. FMB 210-8 Quat is cationic; and therefore, its effectiveness is reduced by soap and anionic surface active agents.

ACCEPTED
with COMMENTS
in EPA Letter Dated

AUG 05 1983

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
47371-57



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

yellow

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

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

Attention: Richard D. Sheets
National Distributor Sales Manager

Gentlemen:

Subject: Application Date July 6, 1982

EPA Registration/File Symbol	Product Name
47371-47✓	FMS 210-8 Quat Concentrated Germicide
47371-44	HL-420 Water Treatment Microbiocide
47371-58	HS-210 Swimming Pool Algaecide
47371-52	HS-310 Mildew Preventative
47371-53	Formulation HS 210-15
47371-54	Formulation HS 210-37
47371-REN	HS-210 10% Mildew Preventative
47371-RRT	HS-210 10% Swimming Pool Algaecide
47371-UG	HS-105 Disinfectant Sanitizer

A review of your submission follows:

1. The acute dermal toxicity study has been reviewed. The product has an acute dermal LD₅₀ of 1.73 (1.15-2.61) ml/kg. It would be noted that the study did not separate the male and female mortality. The guidelines require calculation of both male and female LD₅₀'s.
2. The data submitters' list will be placed into each appropriate file, however it will not be reviewed at this time to determine validity or acceptability. It will be reviewed at a time to support a particular amendment and/or registration action.
3. The acute dermal study may be used to support formulations containing 50% or more of the active ingredient. This acute dermal study may not be used to support the following products:

EPA Registration No. 47371-53
EPA Registration No. 47371-54
EPA File Symbol 47371-UG
EPA File Symbol 47371-REN
EPA File Symbol 47371-RRT

Generally, an end-use product must be tested to support the registration of an end-use product. The acute toxicity data supporting a formulating-use product may be used to support an end-use product if the end-use product is substantially similar to the formulating-use product in both chemical composition and formulation. The above five products do not meet these criteria.

4. Please note that any and all amendments and registration actions concerning the use of data must proceed under the procedures outlined within PR Notices 83-4 and 83-4A (mailed under separate cover several weeks ago).

Sincerely yours,

J.H. Lee
John H. Lee
Product Manager (31)
Disinfectants Branch
Registration Division (TG-767C)