



FMB 210-100 QUAT

concentrated germicide

FOR FORMULATION OF DISINFECTANTS, SANITIZERS, FUNGICIDES, WATER TREATMENT MICROBICIDES AND SWIMMING POOL ALGAEICIDES.

ACTIVE INGREDIENTS:
Dodecyl Dimethyl Ammonium Chloride dihydrate 100.0%

DANGER: KEEP OUT OF REACH OF CHILDREN

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes severe eye and skin damage. Do not get in eyes or on skin. Wash contaminated clothing before reuse. Wear goggles or face shield and rubber gloves when handling the concentrate. Harmful or fatal if swallowed. Avoid contamination of food.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply in marine and/or estuarine or fields. Do not discharge into lakes, streams, ponds or public waters unless in accordance with an NPDES permit. For guidance, contact your Regional Office of the Environmental Protection Agency.

PHYSICAL AND CHEMICAL HAZARDS

FMB 210-100 is a cationic germicide. Do not mix with soap or anionic materials.

STORAGE AND DISPOSAL

This product must be kept under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

PESTICIDE DISPOSAL

Pesticide, spray mixture, or rinse that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

CONTAINER DISPOSAL

Triple rinse (or equivalent) and dispose in an incinerator or landfill approved for pesticide containers, or bury in a safe place. Consult federal, state, or local authorities for approved alternative procedures such as limited open burning.

INSTRUCTIONS FOR FORMULATION

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Formulators using this product are responsible for obtaining EPA registration for their formulated products. Refer to technical bulletin for FMB 210-100 for instructions for formulations and other information.

H-5-1

EPA REG. NO. 47371-59 EPA EST. NO. 47371-1A-01

H+S CHEMICALS DIVISION

970 E. TIPTON ST. HUNTINGTON, IN 46750 219/356-7100

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 05 1982

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
Registration No. 47371-59
EPA Reg. No.
47371-59

BEST DOCUMENT AVAILABLE



Chemicals Division

FMB 210-100QUAT

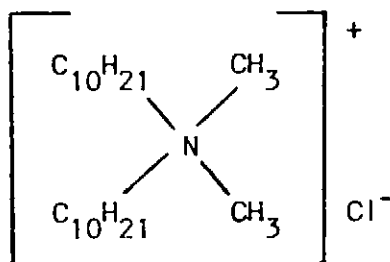
concentrated germicide

EPA Chemical Reference Number: 69149

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 05 1962

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
47371-59



• 2H₂O

didecyl dimethyl ammonium chloride dihydrate

EPA Registration Number 47371-

FMB 210-100 QUAT

concentrated germicide

I. INGREDIENT STATEMENT

Active Ingredients:
didecyl dimethyl ammonium chloride dihydrate . 100.0%

II. CHEMICAL AND PHYSICAL PROPERTIES

- A. Appearance: A white granular powder.
- B. pH (10% solution in distilled water): 6.0 - 8.0
- C. Activity: 95% - 100% min.
- D. Average molecular weight: 361.5
- E. Free Amine plus Amine Hydrochloride: 0.5% max.
- F. Solubility: Freely soluble in water, lower alcohols, ketones, and glycols.
- G. Compatibility: FMB 210-100 Quat is compatible with detergent builders, organic chelates, nonionic surface active agents, and most polar solvents. FMB 210-100 Quat is cationic; and therefore, its effectiveness is reduced by soap and anionic surface active agents.

F
M
B
2
1
0
-
1
0
0
Q
U
A
T

- d. Include the statement "Wash thoroughly with soap and water after handling" immediately after the statement "Wear goggles...."
- e. Revise the ENVIRONMENTAL HAZARDS statement to read as follows:

This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds or public waters unless in accordance with an NPDES permit. For guidance contact your Regional Office of the Environmental Protection Agency.

- f. Revise the Pesticide Disposal statement to read as follows:

PESTICIDE DISPOSAL

Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

- g. Revise the Container Disposal statement to read as follows:

CONTAINER DISPOSAL

Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

Fiber Drums with Liners: Completely empty liner by shaking and tapping sides and bottom to loosen cling particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. If drum cannot be reused, dispose of in the same manner.

- h. Revise the statement "Formulators using this product are responsible...products," to read as follows:


"Formulators using this product are responsible for providing data for the EPA registration for their formulated products.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

- 3 -

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFKA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

John H. Lee 
Product Manager (31)
Disinfectants Branch
Registration Division (TS-767)

Enclosure