

47371-70

4-8-1983

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<p>U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION</p> <p>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</p>	<p>EPA REGISTRATION NO. 47371-70</p> <p>TERM OF ISSUANCE</p> <p>NAME OF PESTICIDE PRODUCT FMB 504-5 Quat</p>	<p>DATE OF RESPONSE 08 APR 1983</p>
<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</p> <p style="text-align: right; font-size: 1.2em;"><i>Best Available Copy</i></p> <p>H & S Chemicals Division 970 East Tipton Street Martinton, IN 46750</p>		
<p>NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>This registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>		
<p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p>		
<p>1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.</p>		
<p>2. Make the labeling changes listed below before you release this product for shipment:</p>		
<ol style="list-style-type: none"> a. On the label and the bulletin, revise the product name to read "FMB 504-5 Quat." Concentrated pesticide is misleadin b. Delete "swimming pool application" from the General Use "Pre formulation of..." c. Revise the precautionary statement "Wear goggles or face shield and...the concentrate" to read "Wear goggles or face shield and rubber gloves when handling" d. Include the statement "Use thoroughly with soap and water after handling" immediately after the statement "Use..." 		
<p><input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE</p>		
<p>SIGNATURE OF APPROVING OFFICIAL</p>	<p>DATE</p>	

- e. Revise the statement "Do not get in eyes or on skin" to read "Do not get in eyes, on skin, or on clothing."
- f. Revise "This product is toxic to fish" to read "This pesticide is toxic to fish."
- g. Delete "germicide" in the statement "FMB 504-5 is a cationic germicide."
- h. Revise the Pesticide Disposal statement as follows:

Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, state, or local procedures.

- i. Revise the Container Disposal statements with the appropriate statements as indicated below:

For 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.

For Fiber Drums With Liners:

Completely empty liner by shaking and tapping sides and bottom to loosen clinging 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.

- j. Revise the reference statement at the bottom of the label to read "Refer to Technical Bulletin on FMB 504-5 Quat for other technical information."
- k. On the technical bulletin, include a zero (0) in front of each EPA Chemical Reference Number listed.

3. As previously requested per telecom, please submit a revised Confidential Statement of Formula that will reflect the composition of the final product, including impurities.

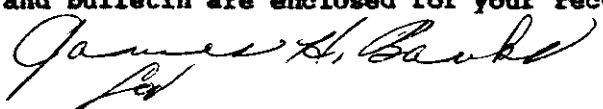
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The general chemistry data submitted with your letters of August 20, 1982, and December 17, 1982, are acceptable.

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.

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

A stamped copy of the label and bulletin are enclosed for your records.



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

Enclosure

Huntington

4/6

FMB 504- 5 QUAT

Concentrated Germicide

FOR FORMULATION OF DISINFECTANTS, SANITIZERS, FUNGICIDES, WATER TREATMENT MICROBICIDES, ALGAE KILLERS, SWIMMING POOL ALGACIDES, OILFIELD RECOVERY AND SALT WATER DISPOSAL PRODUCTS.

Active Ingredients

Alkyl (C ₁₄ , 50%; C ₁₂ , 40%; C ₁₆ , 10%) dimethyl benzyl ammonium chloride	20.0%
Octyl decyl dimethyl ammonium chloride	15.0%
Dioctyl dimethyl ammonium chloride	7.5%
Didecyl dimethyl ammonium chloride	7.5%
<u>Inert Ingredients</u>	50.0%

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 08 1983

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 47371-70

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 off 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

Do not use or store near heat or open flame. FMB 50 4-5 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 rinsate 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

Refer to Technical Bulletin on FMB504 Quats for other technical information.

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

EPA REG. NO. 47371-70 EPA EST. NO. 47371-1A-01

HS-1

HYS CHEMICALS DIVISION

970 EAST TIPTON HUNTINGTON, IN 46750 219/356-8100

BEST DOCUMENT AVAILABLE

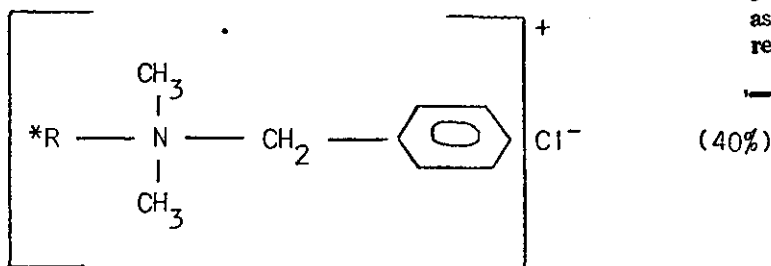
FMB 504-5 Quat
Concentrated Germicide

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 08 1983

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

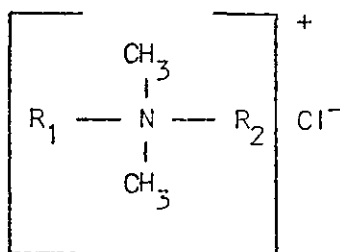
47371-70



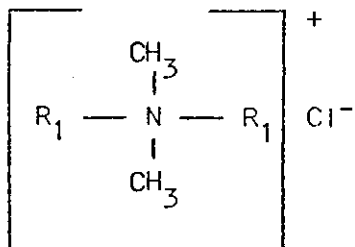
*R = C₁₄ 50%, C₁₂ 40%, C₁₆ 10%

n-Alkyl dimethyl benzyl ammonium chloride

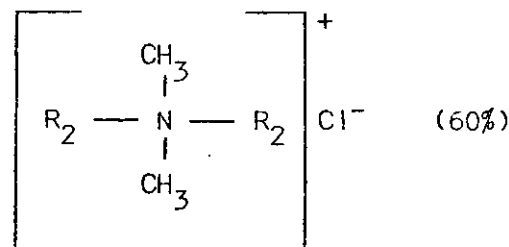
EPA Chemical Reference Number 69105



R₁ = CH₃ (CH₂)₇
R₂ = CH₃ (CH₂)₉



R₁ = CH₃ (CH₂)₇



R₂ = CH₃ (CH₂)₉

Octyl decyl dimethyl ammonium chloride

EPA Chemical Reference Number 69165

Dioctyl dimethyl ammonium chloride

EPA Chemical Reference Number 69166

Didecyl dimethyl ammonium chloride

EPA Chemical Reference Number 69149

BEST DOCUMENT AVAILABLE

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I. INGREDIENT STATEMENT

Active Ingredients:

n-Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%) dimethyl benzyl ammonium chloride.	20.0%
octyl decyl dimethyl ammonium chloride.	15.0%
dioctyl dimethyl ammonium chloride.	7.5%
didecyl dimethyl ammonium chloride.	7.5%
Inert Ingredients.	50.0%
Total	<u>100.0%</u>

II. CHEMICAL AND PHYSICAL PROPERTIES

- A. Appearance: A clear straw to light amber liquid with a mild odor. Crystallization may occur after prolonged storage at low temperatures but will return to its homogeneous liquid state upon warming to room temperature.
- B. Specific Gravity at 25°C: 0.94 - 0.97
- C. pH (10% solution): 6.0 - 8.0
- D. Activity: 50% to 51%
- E. Average Molecular Weight: 352.7
- F. Amine Hydrochloride: 2.75% max.
- G. Free Amine plus Amine Hydrochloride: 3.0% max.
- H. Solubility: Freely soluble in water, lower alcohols, ketones, and glycols.
- I. Compatibility: FMB 504-5 Quat is compatible with inorganic detergent builders, organic chelates, nonionic surfactants, and most polar solvents. FMB 504-5 Quat is cationic; and therefore, is incompatible with soap or anionic surfactants.