

PM31 47371-73 1

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (TS-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.

DATE OF ISSUANCE

47371-73  
TERM OF ISSUANCE

APR 25 1991

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

FMB 504-8 Quat

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

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

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.

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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

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.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 47371-73."
- b. Delete the word "severe" from the label.

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ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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)  
Antimicrobial Program Branch  
Registration Division (H7505C)

Enclosure

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# Huntington

## FMB 504-8 QUAT Concentrated Germicide

This product is to be used in formulating disinfectants and sanitizers for indoor use only.

### ACTIVE INGREDIENTS:

Alkyl (C <sub>14</sub> 50%, C <sub>12</sub> 40%, C <sub>16</sub> 10%) dimethyl benzyl ammonium chloride .....	32.0%
Octyl decyl dimethyl ammonium chloride .....	24.0%
Diocetyl dimethyl ammonium chloride .....	12.0%
Didecyl dimethyl ammonium chloride .....	12.0%
INERT INGREDIENTS: .....	20.0%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

### 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 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, on skin or on clothing. Wash clothing before reuse. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Harmful or fatal if swallowed. Avoid contamination of food.

#### ENVIRONMENT HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying in writing the sewage treatment plant authority.

For guidance contact your State Water Board or Regional Office of the EPA.

#### PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame. FMB 504-8 Quat Concentrated Germicide is a cationic. 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 wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### 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 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.

#### DIRECTIONS FOR USE

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

This product is to be used in formulating disinfectants and sanitizers for indoor use only.

Refer to technical bulletin of FMB 504-8 Quat Concentrated Germicide for other technical information.

EPA REG. NO. 47371- EPA EST. NO. 47371-IN-01

NET CONTENTS

H&S CHEMICAL DIVISION

970 EAST TIPTON, HUNTINGTON, IN 46750 (219) 356-7073

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

APR 25 1991

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

47371-73

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# FMB 504 QUATS

## Concentrated Germicide

FMB 504 Quat series are designed for formulation of disinfectants and sanitizers for indoor use only.

Our Quality Control program consists of checking each and every batch made, chemically and microbiologically, to insure the customer that every batch meets our rigid specifications.

<u>Chemical Composition</u>	<u>FMB 504-5</u>	<u>FMB 504-8</u>
EPA Registration Number	47371-70	47371-73
<b>Active Ingredients:</b>		
didecyl dimethyl ammonium chloride	7.5%	12%
dioctyl dimethyl ammonium chloride	7.5%	12%
octyl decyl dimethyl ammonium chloride	15%	24%
n-Alkyl (C <sub>14</sub> 50%, C <sub>12</sub> 40%, C <sub>16</sub> 10%)		
dimethyl benzyl ammonium chloride	20%	32%
<b>Inert Ingredients:</b>	50%	20%

The FMB 504 Quats are effective against the representative gram-positive pathogen *Staphylococcus aureus*, the representative gram-negative pathogen *Salmonella choleraesuis*, the representative hospital pathogen *Pseudomonas aeruginosa*, and the athlete's foot fungus *Trichophyton interdigitale*.

FMB 504 Quats are technical chemicals designed for formulation of germicides. For example, disinfectant cleaners in hospitals and nursing homes, as disinfectant cleaners for use in schools and colleges, other public institutions and households.

FMB 504 Quats are for disinfecting pre-cleaned hard, non-porous surfaces in 10 minutes with a recommended use solution of 450 ppm active for hospital use areas and with a recommended use solution of 250 ppm active quat for general use areas.

<u>Organism</u>	<u>FMB QUAT</u>	<u>No. of Positives</u>	<u>No. of Carriers Tested</u>
<i>Pseudomonas aeruginosa</i>	450 ppm	0	180
<i>Staphylococcus aureus</i>	250 ppm	0	180
<i>Salmonella choleraesuis</i>	250 ppm	0	180
HOSPITAL DISINFECTION .....			450 ppm quat
GENERAL DISINFECTION .....			250 ppm quat

Formulators using this product are responsible for EPA registration and USDA authorization for their formulated products. For technical service and registration assistance, contact H&S Chemicals Division at 219/356-7073. A complete registration package is available upon request.

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**DANGER: 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 this product. Harmful or fatal if swallowed or absorbed through the skin. Avoid contamination of food.

**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 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.

Consult the label for other instructions and precautionary statements before use of FMB 540 Quats.

**TOXICITY TEST RESULTS**

Eye Irritation Test: Corrosive irritant  
Primary Skin Irritation: Severe, corrosive irritant  
Acute Dermal LD<sub>50</sub> = 14.25 mg/kg  
Acute Oral LD<sub>50</sub> = 0.44 g/kg

FMB 504-5 Quat    EPA Reg. No. 47371-70  
FMB 504-8 Quat    EPA Reg. No. 47371-73

H&S Chemicals Division  
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Huntington, Indiana 46750