

Huntington™

FMB 3328-5 QUAT concentrated germicide

FOR FORMULATING DISINFECTANTS, SANITIZERS, FUNGICIDES, WATER TREATMENT MICROBICIDES, MILDROWICIDES, AND SWIMMING POOL ALGACIDES

ACTIVE INGREDIENTS:

n-Alkyl (C14 60%, C16 30%, C12 5%, C18 5%) dimethyl benzyl ammonium chlorides	25.0%
n-Alkyl (C12 15%, C14 32%) dimethyl ethylbenzyl ammonium chlorides	25.0%
INERT INGREDIENTS:	50.0%
Total:	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 man-made 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 3328-5 is a cationic germicide. Do not mix with soap or anionic materials.

Do not use or store near heat or open flame.

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

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 EPA registration for their formulated products. Refer to technical bulletin on FMB 3328 Quats for instruction for formulation and other information.

EPA Reg. No. 47371-19

EPA Est. No. 47371-1A-01

HE-11

H45 CHEMICALS DIVISION

970 EAST TIPTON

HUNTINGTON, IN 46750

219/356-8100

ACCEPTED
with COMMENTS
by EPA Letter Dated:

NOV 26 1982

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
47371-19



H&S Chemicals Division

FMB 3328 QUAT

FMB 3328 Quat Series are designed for formulation of disinfectants, sanitizers, fungicides, water treatment microbicides, mildewcides, and swimming pool algacides. FMB 3328 Quats consist of a dual quaternary system of alkyl dimethyl benzyl ammonium chlorides and alkyl dimethyl ethylbenzyl ammonium chlorides. This combination of quats working together provides a synergistic effect for an efficient disinfectant-sanitizer system.

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.

Chemical Composition	FMB 3328-5	FMB 3328-8	FMB 3328-28
Active Ingredients:			
n-Alkyl (C ₁₄ 60%, C ₁₆ 30%, C ₁₂ 5% C ₁₈ 5%) dimethyl benzyl ammonium chloride	25%	40%	40%
n-Alkyl (C ₁₂ 68%, C ₁₄ 20%, C ₁₆ 10%, ethylbenzyl ammonium chloride	25%	40%	40%
ethanol	X	12.5%	20%
Inert Ingredients			
Water	50%	7.5%	X

ACCEPTED
NOV 26 1982
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47371-19

The FMB 3328 Quats are effective against the representative gram-positive pathogen *Staphylococcus aureus*, the representative gram-negative pathogen *Salmonella choleraesuis*, and the representative hospital pathogen *Pseudomonas aeruginosa*.

FMB 3328 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 3328 Quats are for disinfecting pre-cleaned hard, non-porous surfaces in 10 minutes with a recommended use solution of 550 ppm active quat for hospital use areas and with a recommended use solution of 450 ppm active quat for general use areas.

Organism	FMB Quat	No. of Positives	No. of Carriers Tested
<i>Pseudomonas aeruginosa</i>	550 ppm	0	180
<i>Staphylococcus aureus</i>	450 ppm	0	180
<i>Salmonella choleraesuis</i>	400 ppm	0	180

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 the concentrate. Harmful or fatal if swallowed. 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 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: Probably 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 3328 Quats.

FMB 3328-5 Quat	EPA Reg. No. 47371-19
FMB 3328-8 Quat	EPA Reg. No. 47371-14
FMB 3328-28 Quat	EPA Reg. No. 47371-20

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

ACCEPTED
with COMMENTS
In EPA Letter dated

NOV 28 1982

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

47371-19

26 NOV 1982

M & S Chemicals Division
970 East Tipton Street
Huntington, IN 46705

Attention: Richard D. Sheets

Gentlemen:

Subject: FMB 3328-5 Quat Concentrated Germicide
EPA Registration No. 47371-19
Your Submission Dated August 4, 1982

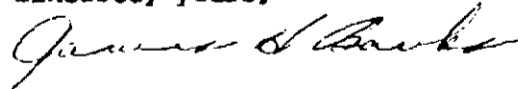
The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, provided that you:

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.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. At the bottom of page one the company name, M & S Chemicals Division, must appear before the address.
 3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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 bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,



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

Enclosure
WS-767C:JHLee:DCR-03566:WANG-0080C:1wy:Raven:479-2003:00/06/82