



H&S Chemicals Division

# FMB 6075 QUAT

FMB 6075 Quat series are designed for formulation of disinfectants, sanitizers, fungicides, water treatment microbicides, and swimming pool algaecides. FMB 6075 Quats consist of a dual quaternary system of alkyl dimethyl benzyl ammonium chloride and alkyl dimethyl ethylbenzyl ammonium chloride. 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 6075-5	FMB 6075-8	FMB 6075-28
EPA Registration Number	47371-15	47371-13	47371-21
Active Ingredients:			
n-Alkyl (C14 60%, C16 30%, C12 5%, C18 5%) dimethyl benzyl ammonium chloride	25%	40%	40%
n-Alkyl (C12 50%, C14 30%, C16 17%, C18 3%) dimethyl ethylbenzyl ammonium chloride	25%	40%	40%
ethanol	X	12.5%	20%
Inert Ingredients:			
Water	50%	7.5%	X

**ACCEPTED**  
 JUN 07 1983  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 47371-15

The FMB 6075 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 6075 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 6075 Quats are effective in disinfecting pre-cleaned hard, non-porous surfaces in 10 minutes with a recommended use solution of 500 ppm active quat for hospital use areas and with a recommended use solution of 400 ppm active quat for general use areas.

Organism	FMB Quat	No. of Positives	No. of Carriers Tested
<i>Pseudomonas aeruginosa</i>	500 ppm	0	100
<i>Staphylococcus aureus</i>	400 ppm	0	150
<i>Salmonella choleraesuis</i>	400 ppm	0	100

HOSPITAL DISINFECTANT . . . . . 500 ppm quat  
GENERAL OR HOUSEHOLD DISINFECTANT . . . . . 400 ppm quat  
SANITIZANT . . . . . 200 ppm quat

FMB 6075 Quats are effective against *Staphylococcus aureus* and *E. coli* as a sanitizer in 850 ppm hard water as tested by the A.O.A.C. Terrestrial and Detergent-Sanitizer Method at 200 ppm quat. In addition to use on food processing equipment and utensils, FMB 6075 Quats may be used on food-contact surfaces in public eating places.

FMB 6075 Quats are designed for formulation of sanitizer-cleaners sanitizing pre-cleaned food contact surfaces in 10 minutes with the recommended use solution diluted in water up to 850 ppm water hardness (calculated as CaCO<sub>3</sub>) at 200 ppm active quat. FMB 6075 Quats are in compliance with 21 CFR §178.1010 (b)(11) and (c)(8).

FMB 6075 Quats are designed for formulation of sanitizer-cleaners for use in restaurants and bars, dietary areas, farms, federally inspected meat and poultry processing plants, and food processing plants such as:

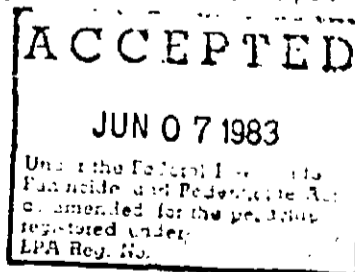
For use in plants operating under the USDA Poultry, Meat, Rabbit, Shell Egg Grading, and Egg Products Inspection Programs. FMB 6075 Quats are for use as a sanitizer on all surfaces not always requiring a rinse. Before using these compounds, food products and packaging materials must be removed from the room or carefully protected. A potable water rinse is not required following use of these compounds on previously cleaned hard surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains which can adulterate or have deleterious effect on edible products. A potable water rinse is required following use of these compounds under conditions other than those stated above.

For use sanitizing dishes, silverware, glasses, and other food utensils at 200 ppm active. FMB 6075 Quats may be used on food contact surfaces in public eating places. Do not rinse with potable water.

Food eggs that have been sanitized with FMB 6075 Quat shall be subjected to a thorough potable water rinse only if they are broken for use in the manufacture of egg products.

For use to wash the udders, flanks, and teats of dairy cows. Do not rinse with potable water. Use a fresh towel for each cow. Avoid contamination of wash solution by dirt and soil. Do not dip towel back into wash solution. When solution becomes visibly dirty, discard and provide fresh solution.

FMB 6075 Quats have been tested for ten different nitrosamines, including *N*-nitroso-diethanolamine (NDEA). It was determined that the FMB 6075 Quats contained less than 20 parts per billion (ppb) and for the other nine nitrosamines FMB 6075 Quat contained less than 100 ppb.



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 219/356-8100. A complete registration kit is available upon request.

**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. 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:** 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 6075 Quats

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