



# FMB 210-25 QUAT

## concentrated germicide

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

|                                    |        |
|------------------------------------|--------|
| ACTIVE INGREDIENTS:                |        |
| Didecyl dimethyl ammonium chloride | 50.0%  |
| 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 available; 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 mucous membrane damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

**PRECAUTIONARY TREATMENTS**  
**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 contact with skin and eyes.

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

**PHYSICAL AND CHEMICAL HAZARDS**  
FMB 210-25 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.

**TESTING AND DISPOSAL**  
...  
**STAINING DISINFECTANT**  
...  
**PREPARATIONS WITH OTHERS**  
...  
**MIXTURES WITH OTHERS**  
...

**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 for FMB 210 Quats for instructions for formulation and other information.

MS-1  
EPA REG. NO. 47371-24      EPA EST. NO. 47371-04-01  
M&S CHEMICALS DIVISION  
HUNTINGTON, IN 46760  
870 EAST TIPTON      219/358-8100

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### FMB 210 QUAT

FMB 210 Quat is a powerful quaternary ammonium disinfectant, bactericide, fungicide, and virucide. It is effective against a wide range of microorganisms, including bacteria, fungi, and viruses. FMB 210 Quats consist of a powerful quaternary ammonium salt of di-ethyl dimethyl ammonium chloride. This salt provides a quaternary ammonium cation with an effective disinfectant action.

The ability of FMB 210 Quat to destroy microorganisms is due to its ability, chemically and sterically, to attack the outer membrane of every bacterium, thus disrupting its structure.

|                         | 10%  | 1%   | 0.1% |
|-------------------------|------|------|------|
| Disinfectant (1000 ppm) | 100% | 100% | 100% |
| Disinfectant (100 ppm)  | 100% | 100% | 100% |

Active Ingredients:  
Di-ethyl dimethyl ammonium chloride

|       | 10% | 1% | 0.1% |
|-------|-----|----|------|
| Water | X   | X  | X    |
| Water | 1   | 1  | 1    |

The FMB 210 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* in the presence of 5% organic matter.

FMB 210 quats are technical chemical designed for formulation of disinfectants. For example, in infant and children's hospitals and nursing homes, an disinfectant cleaner for use in such facilities is often required for institutional use.

For more information on FMB 210 Quat, contact your local distributor or write to: Huntington H&S Chemicals Division, 970 East Tipton, Huntington, Indiana 46750.

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SECTION 10.0000 - [Illegible text]

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Consult your physician before use of this product if you are pregnant, nursing, or taking other medications. For the most current information, please consult the product label. For more information, contact the manufacturer at 1-800-4-A-1-1111. A complete list of ingredients is available on the label.

**WARNING:** Do not use if you are allergic to any of the ingredients. Do not use if you are pregnant, nursing, or taking other medications. For the most current information, please consult the product label. For more information, contact the manufacturer at 1-800-4-A-1-1111. A complete list of ingredients is available on the label.

**CAUTION:** If you experience any of the following symptoms, stop using the product immediately and consult your physician: severe skin irritation, redness, swelling, or pain. If you experience any of the following symptoms, stop using the product immediately and consult your physician: severe stomach pain, nausea, vomiting, or diarrhea. If you experience any of the following symptoms, stop using the product immediately and consult your physician: severe headache, dizziness, or confusion. Avoid alcohol while using this product.

**HOW TO USE:** Apply a small amount to the affected area. Do not use on large areas of the body. Do not use on broken skin. Do not use if you are allergic to any of the ingredients. For the most current information, please consult the product label. For more information, contact the manufacturer at 1-800-4-A-1-1111. A complete list of ingredients is available on the label.

Consult the label for other instructions and precautionary statements before use of this product.

**CONTENTS:**

1oz. Irritant A, 0.1%  
Primary Skin Irritation: Severe, Irritant  
Acute Dermal LD<sub>50</sub>: 1.0 g/kg  
Acute Oral LD<sub>50</sub>: 0.10 g/kg

FMB 210-1 Unit      HIA Reg. No. 47371-23  
FMB 210-2 Unit      HIA Reg. No. 47371-24  
FMB 210-3 Unit      HIA Reg. No. 47371-47

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