

MUNTINGTON

FMB 302-8 QUAT

concentrated germicide

FOR FORMULATING DISINFECTANTS, SANITIZERS, FLOOR POLISHES,

ACTIVE INGREDIENTS:

Octyl decyl dimethyl ammonium chloride	40.0%
Diocetyl dimethyl ammonium chloride	24.0%
Didecyl dimethyl ammonium chloride	20.0%

INERT INGREDIENTS:

.....	20.0%
Total	100.0%

ACCEPTED
with COMMENTS
EPA Letter Dated:

NOV 26 1962

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the Pesticide
registered under EPA Reg. No.
47371-71

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: Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

PRECAUTIONARY STATEMENTS

HAZARDOUS 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. Harmful or fatal if swallowed. Avoid contamination of food.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 302-8 QUAT is a cationic germicide. Do not mix with soap or anionic materials.

PESTICIDE DISPOSAL

Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill or by incineration if allowed by state and local authorities.

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

DIRECTIONS FOR USE

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 providing appropriate registrations. Refer to technical bulletin on FMB 302-8 Quats for formulation and other information.

EPA REG. NO. 47371-71

EPA EST. NO. 47371-1W-01

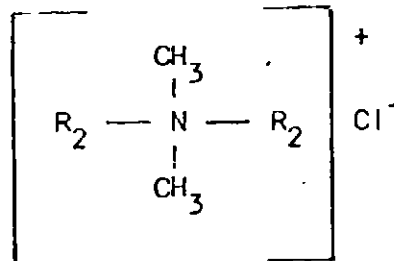
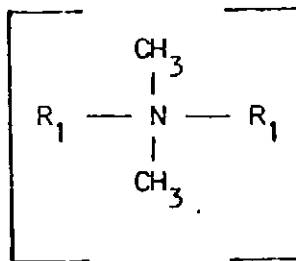
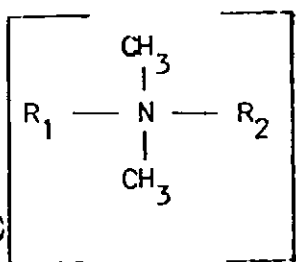
HS-1

H & S CHEMICALS DIVISION

970 E. Tipton St. Muntington, IN 46750 219/356-8100

EMB 502-8 Quat
Concentrated Germicide

EPA Registration Number 47371-71



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 069165

Diocetyl dimethyl ammonium chloride

EPA Chemical Reference Number 069166

Didecyl dimethyl ammonium chloride

EPA Chemical Reference Number 069149

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 26 1982

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

47371-71

FMB 302-8 Quat
Concentrated Germicide

I. INGREDIENT STATEMENT

Active Ingredients:

octyl decyl dimethyl ammonium chloride.	40.0%
dioctyl dimethyl ammonium chloride.	20.0%
didecyl dimethyl ammonium chloride.	20.0%
Inert Ingredients.	20.0%
Total	100.0%

II. CHEMICAL AND PHYSICAL PROPERTIES

- A. Appearance: A clear straw to light amber liquid with a mild odor. Crystalization 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: 0.88 - 0.91
- C. pH (10% solution): 6.0 - 8.0
- D. Activity: 80% to 81%
- E. Average Molecular Weight: 348.5
- F. Amine Hydrochloride: 2.00%
- G. Free Amine plus Amine Hydrochloride: 3.0% max.
- H. Solubility: Freely soluble in water, lower alcohols, ketones, and glycols.
- I. Compatibility: FMB 302-8 Quat is compatible with inorganic detergent builders, organic chelates, nonionic surfactants, and most polar solvents. FMB 302-8 Quat is cationic; and therefore, is incompatible with soap or anionic surfactants.