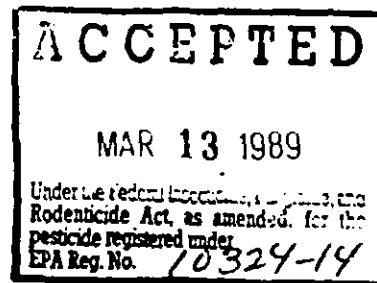
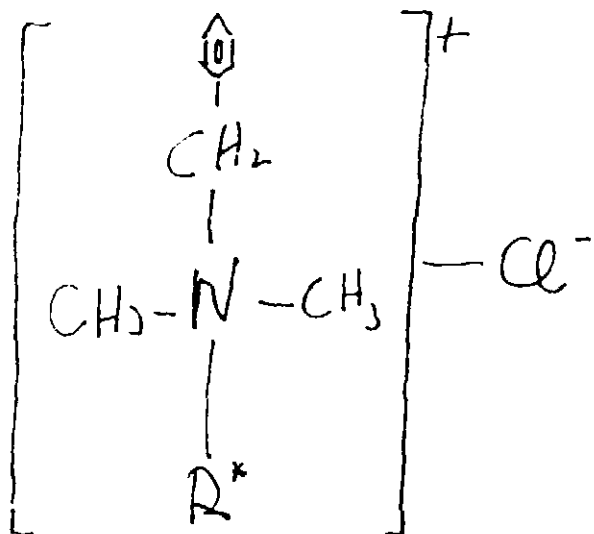


TECHNICAL BULLETIN

MAQUAT MC1412 - 50% EPA Registration Number 10324 - 6

MAQUAT MC1412 - 80%E EPA Registration Number 10324 - 14



N-Alkyl* (50%C₁₄, 40%C₁₂, 10%C₁₆) dimethyl benzyl ammonium chloride

I. Statement of Ingredients:

| | | |
|---|------------|------------|
| Active Ingredients: | <u>50%</u> | <u>80%</u> |
| N-Alkyl (50%C ₁₄ , 40%C ₁₂ , 10%C ₁₆) dimethyl benzyl ammonium chloride | 50% | 80% |
| Inert Ingredients: | <u>50%</u> | <u>20%</u> |
| Total: | 100% | 100% |

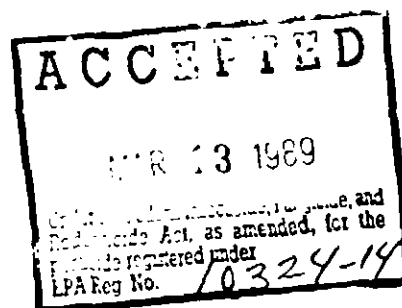
- color - liquid
- B. pH (10% solution in distilled water):
6.0 - 8.0
- C. Color (APHA): 100max 150max
- D. Average Molecular Weight: 358
- E. Solubility: Freely soluble in water,
lower alcohols, Ketones and glycols
- F. Compatibility: Maquat MC1412 - 50%
and 80% is cationic and therefore is
incompatible with soap and anionic
surfactants. It is compatible with
nonionics and other cationics.
- G. Corrosion: At use dilution -- is non corrosive
to most plastics, natural rubber and monel
metal. Corrosive to iron, bronze, brass,
aluminum, lead, tin and copper.

III. Instructions for formulations:

It is a violation of federal law to use this product in a manner inconsistent with the labeling. Formulators using this product are responsible for EPA and State registrations for their formulated products. All products in which a claim is made of a germicidal, algaecidal, bactericidal nature are required to be registered with the Environmental Protection Agency in Washington, D. C.

IV. Germicidal and algaecidal data available on request.

V. MSDS and toxicity studies on request.



NON-WARRANTY STATEMENT:

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale. Suggestions for uses of our products should not be understood as recommendations that they be used in violation of any patents.

C

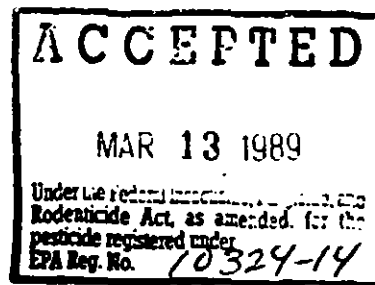
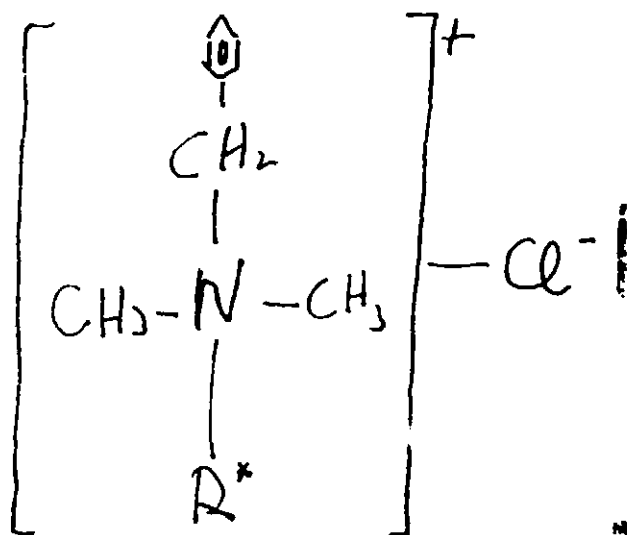
"The Quaternary Specialists"

TECHNICAL BULLETIN

10F2
Pm 51
10324-14

MAQUAT MC1412 - 50% EPA Registration Number 10324 - 6

MAQUAT MC1412 - 80%E EPA Registration Number 10324 - 14



N-Alkyl*(50%C₁₄, 40%C₁₂, 10%C₁₆) dimethyl benzyl ammonium chloride

I. Statement of Ingredients:

| | | | |
|---|------------|------------|--|
| Active Ingredients: | <u>50%</u> | <u>80%</u> | |
| N-Alkyl (50%C ₁₄ , 40%C ₁₂ , 10%C ₁₆) dimethyl benzyl ammonium chloride | 50% | 80% | |
| Inert Ingredients: | <u>50%</u> | <u>20%</u> | |
| Total: | 100% | 100% | |

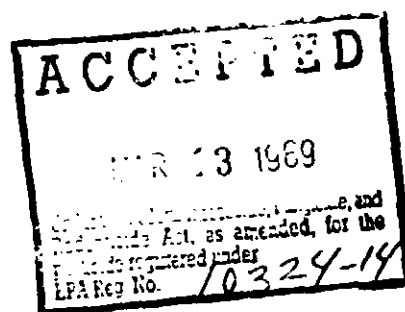
- A. Appearance: A clear to light straw in color - liquid
- B. pH (10% solution in distilled water): 6.0 - 8.0
- C. Color (APHA): 100max 150max
- D. Average Molecular Weight: 358
- E. Solubility: Freely soluble in water, lower alcohols, Ketones and glycols
- F. Compatibility: Maquat MC1412 - 50% and 80% is cationic and therefore is incompatible with soap and anionic surfactants. It is compatible with nonionics and other cationics.
- G. Corrosion: At use dilution -- is non corrosive to most plastics, natural rubber and monel metal. Corrosive to iron, bronze, brass, aluminum, lead, tin and copper.

III. Instructions for formulations:

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