

10324-77

9-19-2002

1/4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Marc Mason
General Manager
Mason Chemical Company
721 W. Algonquin Road
Arlington Heights, IL 60005

SEP 19 2002

SUBJECT: Maquat 50-CT
EPA Registration Number: 10324-77
Application Date: June 28, 2002
Receipt Date: July 1, 2002

Dear Mr. Marc Mason:

The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable:

- Revise Precautionary Statements
- Include Disposal Statements
- Update First Aid Statements

Conditions

Revise the label as follows:

1. Based on the data which is currently available for these active ingredients, revise the "Precautionary Statements" to read exactly as follows:

"Corrosive. Causes irreversible eye damage and skin burns. *May be fatal if inhaled, swallowed or absorbed through the skin.* Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter. Wear goggles or face shield, rubber gloves and protective clothing when handling. Prolonged or frequent skin contact may cause allergic reactions in some individuals. Wash thoroughly with

CONCURRENCES

SYMBOL	7510C						
SURNAME	J. [Signature]						
DATE	9/18/02						

2/4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

soap and water after handling *and before eating, drinking, or using tobacco*. Remove contaminated clothing and wash before reuse."

2. Make the following two revisions to the direction for "Once Trough Fresh Water Cooling System" change section a. to read: "Wear safety glasses, rubber gloves imperious apron *and other equipment as outlined in the Precautionary Statements section of this label.*"

In addition, revise section c. to read: "(0.6-6 ppm on an active quaternary basis)".

General Comments

A stamped copy of the accepted labeling is enclosed. Submit one (1) copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,

Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510C)

Enclosure: Stamped Label
7510C:T.Lantz:9/18/02:10324-77

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS**

DANGER, KEEP OUT OF REACH OF CHILDREN. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter. Wear goggles or face shield, rubber gloves and protective clothing when handling. Prolonged or frequent skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix with soap, anionic detergents or oxidizers.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

- 1. PESTICIDE STORAGE** Store in original containers and place in locked storage area. Keep from freezing.
- 2. SPILL OR LEAK PROCEDURES** Small spills may be mopped up or flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained, the material then moved into containers and disposed of by approved methods for hazardous wastes.
- 3. PESTICIDE DISPOSAL** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
- 4. CONTAINER DISPOSAL** Do not reuse empty container (bottle, cans, etc.). Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incinerate or if allowed by state and local authorities, by burning. If burned stay out of smoke.
- 5. GENERAL** Consult Federal, State, or local disposal authorities for approval of alternative procedures such as limited open burning.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not use water containing residues from use of this product to irrigate crops for food or feed.

MAQUAT[®] 50-CT

A water treatment Microbiocide for Industrial and/or Commercial Recirculating Cooling Water Towers and Once Through Fresh Water Cooling Systems

ACTIVE INGREDIENTS

n-Alkyl (60%C₁₄, 30%C₁₆, 5%C₁₂, 5%C₁₈)
dimethyl benzyl ammonium chloride..... 25.00%

n-Alkyl (68%C₁₂, 32%C₁₄)
dimethyl ethyl benzyl ammonium chloride 25.00%

INERT INGREDIENTS: 50.00%

TOTAL: 100.00%

Weight: Approx. 8lbs./gallon

KEEP OUT OF REACH OF CHILDREN

DANGER

See left panel for additional precautionary statements

First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate gastric lavage.

MASON CHEMICAL COMPANY

"THE QUATERNARY SPECIALISTS"

721 W. Algonquin Road
Arlington Heights, IL 60005

847-290-1621

Toll Free:

1-800-362-1855



E.P.A. Reg. No. 10324-77

E.P.A. Est. No. 10324-IL-1

NET CONTENTS

BATCH NO

APPROVED
with COMMENTS
This Letter Dated:
SEP 19 2002
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended for the Pesticide,
registered under EPA Reg. No
10324-77

3/4

Use of the product in either public/municipal or single or multiple family private/residential potable/drinking water systems is strictly prohibited. Use of the product in any cooling water system that discharges effluent within ¼ mile of either a public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited.

To control algae and bacterial slimes use Maquat® 50-CT as directed. For best results slug feed. The frequency of addition of microbiocide needed depends on many factors. To optimize your use of Maquat® 50-CT, follow this procedure.

INDUSTRIAL AND/OR COMMERCIAL RECIRCULATING COOLING WATER TOWERS

1. **DOSING LOCATION:** This product is to be applied at a point in the system where it will be uniformly mixed, such as at the sump.
2. **DOSING CONDITIONS:** This product should be applied when the system is in jeopardy of being affected or after cleaning systems where efficiency is already impaired.
3. **METHOD OF APPLICATION:**
 - a. Initially use 6 fluid ounces per 1,000 gallons of water to be treated (20 ppm active quaternary). Should the above dosage not give satisfactory results, use 9 fluid ounces per 1,000 gallons of water. Repeat the initial dose every seven days or increase the frequency if needed.
 - b. When the above treatment level is successful, use 2 to 3 fluid ounces per 1,000 gallons of water to maximize efficiency. Repeat weekly as needed. Should slime develop again, go back to initial dosage.

Cooling towers that are inherently low in algae growth and bacteria count may be adequately controlled by the lower range of these dosages; slug feed every seven days. Dilute the appropriate amount of Maquat® 50-CT in 1 or 2 gallons of water, then add to the tower.

Note: this product weighs 8 lbs. per gallon (at 20°C).

Should tower be heavily fouled, a precleaning is required.

ONCE THROUGH FRESH WATER COOLING SYSTEM

1. **DOSING LOCATION:** This product is to be applied at a point in the system where it will be uniformly mixed, such as at the sump.
2. **DOSING CONDITIONS:** This product should be applied when the system is in jeopardy of being affected or after cleaning systems where efficiency is already impaired.
3. **METHOD OF APPLICATIONS:**
 - a. Wear safety glasses, rubber gloves and impervious apron.
 - b. To reduce foaming, mix 2 parts of water to 1 part of this product.
 - c. 0.15 to 1.5 fluid ounces (1-10 ppm on an active quaternary basis) per thousand gallons.
 - d. Do not discharge without performing proper deactivation. To perform deactivation use Bentonite Clay. The minimum ratio to be used is 5 ppm of clay to 1 ppm of product.
 - e. Do not use product more than 4 times per year.
 - f. Treatment time cannot exceed 120 hours/application.
 - g. Avoid oxidizers and reducing agents. Product is cationic and should not be mixed with soap or anionic surfactants.

ACCEPTED
with COMMENTS
in EPA Letter Dated:
SEP 19 2002

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 10324-77

4/4