

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 20 1993

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

Attention: Marc M. Mason
General Manager

Subject: Product Name: Maquat 4450-E
EPA Registration No. 10324-34
Your Amendment Dated May 10, 1993

The amendment (adding once through fresh water cooling systems) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Make the following labeling changes below before you release the product for shipment bearing the amended labeling.

- a. Delete the letter "s" since only one active ingredient is declared on the label.
- b. Add the following additional instructions for formulators to add to their labels.

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 1/4 mile of either a public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited.

- c. Revise the statement: "... water treatment microbiocides and once through freshwater cooling systems.." to read:
"... water treatment microbiocides for use in once through freshwater cooling systems.."

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

2074


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

- 2 -

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). A release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely,

John H. Lee 
Product Manager 31
Antimicrobial Program Branch
Registration Division (H7505C)

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

**PRECAUTIONARY
STATEMENTS
DANGER**

**HAZARDS TO HUMANS
& DOMESTIC ANIMALS
KEEP OUT OF REACH
OF CHILDREN, CORROSIVE**

Causes severe eye and skin damage. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**STATEMENT OF
PRACTICAL TREATMENT**

In case of contact, immediately flush the eyes with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, drink PROMPTLY a large quantity of egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN

Probably mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge into lakes, ponds, streams, estuaries, oceans or public water unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product into sewer systems without previously notifying the sewer treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

Do not use water containing residue from use of this product to irrigate crops used for food or feed. It is a violation to use this product in a manner inconsistent with its labeling.

For Manufacturing Use Only

See Maquat 4450-E Technical Bulletin for additional product information and recommended uses. Formulators using this product are responsible for EPA registration for their formulated products.

**MAQUAT
4450-E**

**For use by manufacturers only
in formulating microbicides,
disinfectants, sanitizers, & fungicides,
and water treatment microbicides.**

*and on wet through freshwater
cooling systems*

ACTIVE INGREDIENTS

Didecyl dimethyl ammonium chloride 50.0%

INERT INGREDIENTS: 50.0%

TOTAL: 100.0%

Weight Approx. 7.75 lb/gal.

**KEEP OUT OF REACH
OF CHILDREN
DANGER**

See left panel for additional precautionary statements.

Mason Chemical Company

"The Quaternary Specialists"
721 W. ALGONQUIN ROAD
ARLINGTON HEIGHTS, IL 60005

708/290-1621

TOLL FREE:

1-800-362-1855

E.P.A. Reg. No. 10324-34

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

**STORAGE AND
DISPOSAL**

1. PROHIBITIONS

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Do not reuse empty container.

2. STORAGE INSTRUCTIONS

Store in original container. Keep from freezing.

3. SPILL OR LEAK PROCEDURES

Small spills may be mopped up, 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.

4. 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 the 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.

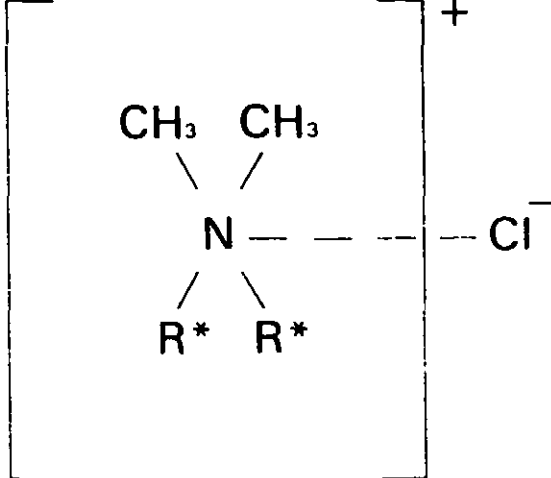
5. CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Batch No.

Net Contents

JUL
Under
Fungic
EPA Reg
10324-
10



Where R* is N-decyl
Didecyl dimethyl ammonium chloride

ACCEPTED
with COMMENTS
to EPA Letter Dated:

JUL 20 1993

Under the Federal Insecticide,
Fungicide and Rodenticide Act
as amended by the public law
Regulation under EPA Reg. No.

10324-34

I. Statement of Ingredients:

Active Ingredients:

Didecyl dimethyl ammonium chloride	50.0%
Inert Ingredients:	50.0%
Total:	100.0%

II. Chemical and Physical Properties

- A. Appearance: A clear to light straw in color - liquid
- B. pH (10% solution in distilled water): 6.0 - 8.0
- C. Color (APHA): 250max
- D. Average Molecular Weight: 361
- E. Compatibility: Maquat 4450-E is cationic and therefore incompatible with soap and anionic surfactants. It is compatible with nonionics and other cationics.
- F. 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.

BEST AVAILABLE COPY

III. Instructions for Formulations

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 and State registrations for their formulated products. All products in which a claim is made of germicidal, algaecidal, bactericidal nature are required to be registered with the Environmental Protection Agency in Washington, D.C.

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.