

NOV 18 1996

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

Attention: Marc M. Mason
General Manager

Subject: Maquat MC1412-40% S and W
EPA Registration No. 10324-87
Your Amendment Dated August 26, 1996

The amendment (adding once through fresh water cooling systems, sap stains and wood preservatives) 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 change below before you release the product for shipment bearing the amended labeling.
 - a. Add the following additional instructions.

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

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.

- b. Add the heading: Net Contents

CONCURRENCES							
SYMBOL	c. Delete the phrase: "... concentrated biocide..."						
SURNAME							
DATE							

d. Add descriptive headers to both the Sap stain section and to the Wood Treatment Preservation section.

e. The preferred nomenclature for the active ingredient is "Alkyl" not "n-Alkyl".

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.

Submit one (1) copy of the final printed label prior to release of the product for shipment.

If you have any questions concerning this letter, contact V. Goncarovs at 703-305-6663.

Sincerely,

Marion J. Johnson, Jr.
 Product Manager (31)
 Antimicrobial Program Branch
 Registration Division (7505C)

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.

ENVIRONMENTAL HAZARDS

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 to sewage 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 use or store near heat or open flame.

DIRECTIONS FOR USE

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

**INITIAL APPLICATION FOR SWIMMING POOLS
(To A Clean Pool)**

32 fluid oz (2 ppm) to each 50,000 gallons of water or ratio thereof. If algae growth is visible apply the initial dose. Vacuum pool after 24 hours to remove dead algae. If algae is still visible repeat dose as necessary until pool is free of visible algae.

CONTINUED APPLICATION

8 fluid oz. (0.5 ppm) in 50,000 gallons of water every 3-5 days or as needed to maintain 2 ppm active. Qualimetry Test Kits are available for this use.

BOOSTER APPLICATION

8 fluid oz. (0.5 ppm) in 50,000 gallons of water after a heavy or prolonged rainfall or when there is a heavy bathing load.

The above directions should be followed even when the pool is not in use.

FOR WINTERIZING POOLS BEFORE FREEZING

Test the water and adjust to the proper levels. After the pool is no longer in use, superchlorinate, using a recommended winter shock treatment, according to label directions. Allow pump to circulate for several hours or overnight.

Add winterizing algacide directly to pool water, walking around the pool, so that it is evenly distributed. Use at the rate of 32 ozs. (6.7 ppm) per 15,000 gallons. Allow to circulate for a few hours.

Clean pool water line, shut down filter, drain pump, and winterize as per manufacturer's instructions. Cover with a solid cover if possible. Pools without a solid cover may need a second treatment later in the non-swimming season.

**INITIAL APPLICATION FOR INDUSTRIAL AND/OR
COMMERCIAL RECIRCULATING COOLING
WATER TOWERS (To A Clean System)**

The dose should be poured into the sump of a system which is clean or in which growth is first noticed.

6.4 to 12.8 fluid ounces (20 to 40 ppm on an active quaternary basis) per 1000 gallons of contained water. When heavy algae growth is present, system will have to be cleaned manually.

SUBSEQUENT APPLICATION

1.6 to 4.8 fluid ounces (5 to 15 ppm on an active quaternary basis) per 1000 gallons of contained water.

The above directions are to be followed twice weekly or as needed.

If algae growth is noticeable, apply the initial dose.

MAQUAT M1412-40% Sand/W

For control of Algae and Algal Slime Growth in Industrial and/or Commercial Recirculating Cooling Waters and Mollusks in Once Through Fresh Water Cooling Systems and mold, mildew and fungi in esp stains and wood preservatives.

ACTIVE INGREDIENT:

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

INERT INGREDIENTS: 60%

TOTAL 100%

Weight approx. 8 lbs./gal.

KEEP OUT OF REACH OF CHILDREN

DANGER

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. Remove contaminated clothing and wash 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

Probable mucosal damage may contraindicate the use of gastric lavage.

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. 10324-87

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



ONCE THROUGH FRESH WATER COOLING SYSTEM

1. Wear Safety glasses, rubber gloves and impervious apron.
2. Add product directly from drum or add the product at a point where it will be mixed uniformly.
3. 32 to 32 fluid ounces (1-10 ppm on an active quaternary basis) per thousand gallons.
4. 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.
5. Do not use product more than 4 times per year.
6. Treatment time cannot exceed 120 hours/application.
7. Avoid oxidizers and reducing agents.
8. Product is caustic and should not be mixed with soap or acidic surfactants.

For the control of mold and fungus on green or freshly cut lumber. May be used in a dip or spray application. Before at rate of 25-100 gallons of water per 1.25 gals. of this product. Seasonal variations in storage and shipping conditions, species and condition of wood should be considered in a manner that ensures that all surfaces are uniformly treated.

For best results, green wood should be treated immediately, at least within twenty-four hours after cutting or sawing. Mold and fungus growth begins immediately after cutting so delayed treatment is much less effective and requires increased chemical concentration. Green, untreated lumber should not be used for stickers.

Freshly treated lumber should not be allowed to remain unprotected in heavy rains. Dip tanks and drip aprons must be roofed, paved and drained to prevent dilution and loss of the anti-stain solution.

This product is a concentrated biocide for use in the formulation of wood Preservative products. When used as directed, formulations produced from this product will protect treated wood articles from the destructive attack of fungi, mold or mildew. Treatment can be done by pressure or double vacuum. Wood articles that will be protected by these Treatments would include millwork, construction timbers, decking, wood Shingles, posts and other articles to be used in above ground applications.

Dilute this product in either water or mineral spirits solution to produce a 0.5% to 3.0% active solution. This formulation is to be used for both pressure and double vacuum treatment.

PRESSURE TREATMENT

Place the wood article to be treated into the pressure cylinder and seal unit. Treat the wooden articles using the pressure treatment procedure consistent with the equipment being used and standard treatment practices. Treatment conditions should be such as to produce a 0.1 to 0.6 lbs./cu. Foot retention in the treated article. Such treated wood is to Be used for above ground uses only.

DOUBLE VACUUM

Stack the wooden articles to be treated in the treatment vessels so that the preservative solution will have access to all sides of the articles. Seal the vessel. Reduce the pressure within the vessel to - 10 inches for Five minutes. Cover all the articles with preservative solution. Allow the pressure low the pressure to return to atmospheric and remove treated wooden articles. Treatment conditions should be such as to produce a 0.1 to 0.6 lbs./cu. foot retention of solution in the treated article. Wood treated to this retention is suitable for above-ground use only.

Applications must wear gloves impervious to the wood treatment formulation in all situations where dermal contact is expected (i.e. handling freshly treated wood and manually opening cylinder doors.)

Individuals who enter pressure treatment cylinders and other related equipment that are contaminated with the wood treatment solution (e.g. cylinders that are in operation or are not free of the treatment solution) must wear protective clothing including overalls, jacket, gloves, and boots, impervious to the wood treatment formulation. Federal, State and local confined space entry procedures need to be taken.

Applicators must not eat, drink or use tobacco products during those parts of the applications process that may expose them to the wood treatment formulation (e.g. manually opening/closing cylinder doors, moving trays out of cylinders, mixing chemicals, handling freshly treated wood).

Wash thoroughly after skin contact and before eating, drinking, use of tobacco products, or using restroom.

Protective clothing must be changed when it shows signs of contamination. Applicators must leave protective clothing and workboots or boots and equipment at the plant. Worn out protective clothing and workboots and boots must be left at the plant and disposed of in a manner approved for pesticide disposal and in accordance with State and Federal regulations.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 18 1996

10324-87

STO

1. PROHI
DO NOT C
STORAGE
PROHIBITE

2. STORA
STORE IN C
STORAGE,
KEEP FRO

3. SPILL
SMALL SPIL
WITH WAT
MATERIAL/

4. PESTIC
PESTICIDE
IMPROPER
MIXTURE, O
IF THESE W
USE ACCOR
YOUR STAT
AGENCY, OF
AT THE N
GUIDANCE.

5. CONTAI
TRIPLE RIN
RECYCLING
DISPOSE O
PROCEDUR
AUTHORITY

BEST AVAILABLE