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10324-21

6/30/98

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 30 1998

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

SUBJECT: Maquat LC12S-50%
EPA Registration No. 10324-21
Resubmission Dated April 30, 1997

Dear Mr. Mason:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and rodenticide Act, as amended, is acceptable provided that you submit and/or cite all data required for registration/reregistration of your product under FIFRA sec 3© (5) when the Agency requires all registrants of similar products to submit such data.

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.

If you have any further questions, please contact Barbara Pringle at (703)308-6236.

Sincerely,



Velma Noble
Team Leader 31
Regulatory Management Branch I
Antimicrobial Division(7510W)

CONCURRENCES

SYMBOL	7510W						
SURNAME	Pringle						
DATE	6-3-98						

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER 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. Wash thoroughly with soap and water after handling. Harmful or fatal if swallowed. Avoid contamination of food.

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 sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact our State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Do not use water containing this product 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.

INITIAL APPLICATION FOR SWIMMING POOLS (To a Clean Pool)

6 fluid oz. Maquat LC12S-50% to each 50,000 gallons of water or ratio thereof. If algae growth is visible apply as 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

5 fluid oz. Maquat LC12S-50% in 50,000 gallons of water every 3-5 days or as needed to maintain 2 ppm active. Quaternary Test Kits are available for this use.

BOOSTER APPLICATION

5 fluid oz. Maquat LC12S-50% in 50,000 gallons of water after a heavy or prolonged rainfall or when there is heavy bathing load.

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

**INDUSTRIAL AND/OR COMMERCIAL
RECIRCULATING COOLING WATER TOWERS
AND RECIRCULATING COOLING WATER SYSTEMS**
This product aids in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchanger tower system, commercial and industrial cooling towers, treatment systems such as flow through filters and ponds, industrial water scrubbing systems and every pasteurizer.

INITIAL APPLICATION (To a Clean System)

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

5 to 10.25 fluid ounces (2) to 40 ppm on an active 3-mercury basis per 1000 gallons of contained water. In heavy algae growth present, check manual for dechlorinated manual.

SUBSEQUENT APPLICATION

3 TO 3.85 fluid ounces (5 to 15 ppm on an active 3-mercury basis) per 1000 gallons of contained water.

These directions are to be followed twice weekly or as needed.

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AUXILIARY SERVICE WATER AND WASTE WATER SYSTEM

This product is effective for the control of odor-forming and slime-forming bacterial, fungi and algae in auxiliary service water systems such as fire protection systems and pump or screen bays, water waste material disposal, holding or recovery systems such as storage tanks, storage piles, associated piping, settling ponds or lagoons, transport spillways or canals and disposal wells.

This product may be added to the system by slug or intermittent feed or by spraying onto a waste pile. The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination. Additions to water systems should be made during the pumping operation and as close to the pump as possible to ensure adequate mixing.

INTERMITTENT OR SLUG METHOD

When this treatment is required, add this product at the rate of 5.25 to 10.25 ounces per 1000 gallons of water already in the system, or being added to the system, for 4 to 8 hours, 1 to 4 times per week or as needed to achieve the desired level of control. When control is obtained, add this product at the rate of 1.33 to 3.85 ounces per 1000 gallons of water in the system.

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. To reduce foaming, mix 2 parts of water to 1 part of this product.
4. 0.15 to 1.5 fluid ounces (1-10 ppm on an active quaternary basis) per thousand gallons.
5. 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.
6. Do not use product more than 4 times per year.
7. Treatment time can not exceed 120 hours/application.
8. Avoid oxidizers and reducing agents. Product is cationic and should not be mixed with soap or anionic surfactants.

MAQUAT LC12S-50%

Maquat LC12S-50% for control of Algae, Algal, Fungal and Bacterial Slimes in Recirculating Water Systems, Auxiliary Water and Waste Water Systems and Water Cooling Systems Molluscs in Once Through Freshwater Cooling Systems and Mold, Mildew and Fungi in Sap Stains and Wood Preservatives

ACTIVE INGREDIENT:

Alkyl (67%Ca, 25%Cu, 7%Cu, 1%Cu)
dimethyl benzyl ammonium chloride 50.0%
INERT INGREDIENT: 50.0%
TOTAL: 100.0%
Weight Approx. 8 lb./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 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

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
ARINGTON HEIGHTS, IL 60005
847/290-1621
TOLL FREE:
1-800-362-1855

E.P.A. Reg. No. 10324-21
E.P.A. Est. No. 10324-NJ-1

SAP STAIN CONTROL

For control of mold and fungus on green or freshly cut lumber. May be used in a dip or spray application. Before use, dilute at a rate of 25-100 gallons of water per gallon of this product. Seasonal variation in storage and shipping conditions, species and condition of wood should be considered in selection of end use concentration. For effective inhibition of mold and fungus, lumber and logs must be dipped or sprayed 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.

WOOD PRESERVATIVES

This product is 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 and 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 a 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 procedures consistent with the equipment being used and standard treatment practices. Treatment conditions should be such as to produce a 0.1 to 0.6 lb./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 the treatment vessel so preservative solution will have sides of the articles. Seal. Reduce the pressure within 1-10 inches for five minutes. Conditions should be used as 0.1 to 0.6 lbs./cu. foot retention in the treated article. Wood retention is suitable for above only.

Applicators must wear gloves in the wood treatment formulations where dermal contact (i.e. handling freshly treated manually opening cylinder doors

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

Applicators must not eat, drink tobacco products during those applications process that may expose to the wood treatment formulation manually opening/closing cylinders moving trams out of cylinder chemicals, handling freshly treated

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

Protective clothing must be changed shows signs of contamination. must leave protective clothing workshoes or boots and equipment plant. Worn out protective clothing workshoes or boots must be left and disposed of in a manner appropriate pesticide disposal and in accordance state and federal regulations.