

10324-90

1/25/2012

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

JAN 25 2012

Subject: Maquat® LC12S
EPA Registration No.: 10324-90
Application Dated: October 14, 2011
EPA Receipt Date: October 28, 2011

Dear Ms. Tannehill,

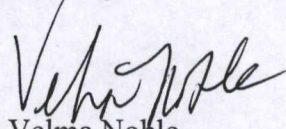
The following amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), section 3 (C) (7) (A) as amended, is acceptable.

- Changing Storage and Disposal statements per 40CFR156
- Updating the first page of the label

General Comments

A stamped copy of the accepted labeling is enclosed. Should you have any questions concerning this letter, please contact Emilia Oiguenblik at (703) 347-01998 or Velma Noble at (703) 308-6233.

Sincerely,


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

Enclosure: Stamped Label

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

Net Contents: Manufacturing and/or Lot no. Date:

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not breathe vapor. Do not get in eyes, on skins or on clothing. Wear protective eyewear (goggles, safety glasses or face shield), protective clothing, and rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequent skin contact may cause allergic reactions in some individuals.

(If container is 5 gallons or larger, use the following environmental hazard statement.)

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.

(If container is less 5 gallons, use the following environmental hazard statement.)

ENVIRONMENTAL HAZARD

This product is toxic to fish.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix with soap, anionic detergents or oxidizers.
Do not use or store near heat or open flame.

(Note to Reviewer: This information has been verified per DOT regulations. It is NOT required to be on the label but is being requested by a customer.)

Transportation Information

DOT Hazard Class: Not Regulated
DOT Proper Shipping Name: Not applicable

PELIGRO: SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.

DANGER: IF YOU CANNOT READ ENGLISH, ASK YOUR SUPERVISOR TO EXPLAIN THE APPROPRIATE DIRECTIONS FOR USE BEFORE WORKING WITH THIS PRODUCT.

ACCEPTED
JAN 25 2012
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10324-90

MAQUAT LC12S 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 Swimming Pools

ACTIVE INGREDIENTS:

n-Alkyl (67%C₁₂, 25%C₁₄, 7%C₁₆, 1%C₁₈) dimethyl benzyl ammonium chloride..... 50.0%

INERT INGREDIENTS:

TOTAL: 50.0%
..... 100.0%

Weight: Approx. 8lbs./gallon

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

See left left (back) (side) (right) panel (of label) (below) for additional precautionary statements and first aid 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, preferable mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

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

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DIRECTIONS FOR USE

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

SWIMMING POOLS

IMPORTANT NOTES

1. Do not allow swimming in pool for at least 15 minutes after this product has been applied.
2. Always apply this and other pool treatment chemicals separately, never combine them.
3. Sunlight, rainfall, temperature, number of swimmers and frequency of pool use, all affect the rate at which unsanitary pool water conditions develop. Adjust your pool cleaning and maintenance functions accordingly.

BEFORE YOU BEGIN

1. Make sure all pool equipment is working properly including pump, filter, skimmer and heater. Allow the filter to run for at least 6 hours after adding algaecide.
2. Backwash filter following normal procedure for your pools filter.
3. Check water pH (acidity/alkalinity balance) with a Test Kit, following label direction. Desired pH range is between 7.2-7.6. If necessary, adjust pH by adding pH decriaser to lower pH or pH increaser to raise pH.
4. Recheck pH and maintain it between 7.2-7.6 for at least 6 hours before adding this product.
5. Add this product directly into pool by pouring around entire outside perimeter of pool.

INITIAL APPLICATION FOR SWIMMING POOLS

1. Vacuum algae debris to waste and thoroughly brush pool.
2. Add 26 ounces of this product to each 50,000 gallons of water (5.2 ounces per 10,000 gallons) or ratio thereof. Add this product directly into pool by pouring around entire outside perimeter of pool.
3. Vacuum pool after 24 hours to remove dead algae.
4. If algae is still visible repeat dose (steps 3 & 4) as necessary until pool is free of visible algae.
5. Once algae is under control, clean filter and return to normal operation.

MAINTENANCE APPLICATION

Add 6.5 ounces of this product in 50,000 gallons of water every 3-5 days. Add this product directly into pool by pouring around entire outside perimeter of pool.

BOOSTER APPLICATION

Add 6.5 ounces of this product in 50,000 gallons of water after a heavy or prolonged rainfall or when there is a heavy bathing load. Add this product directly into pool by pouring around entire outside perimeter of pool.
If algae growth is noticeable, apply initial dose.

FOLLOW THE ABOVE DIRECTIONS EVEN WHEN THE POOL IS NOT IN USE.

INDUSTRIAL WATER TREATMENT

Do not use water containing residues from use of this product to irrigate crops 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.

This product aids in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water systems, industrial and commercial cooling towers, influent systems such as flow through filters and lagoons, industrial water scrubbing systems and brewery pasteurizers.

INDUSTRIAL AND/OR COMMERCIAL RECIRCULATING COOLING WATER TOWERS, RETORT WATER SYSTEMS

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.

METHOD OF APPLICATION:

a) INTERMITTENT OR SLUG METHOD

Initial Dose: When the system is noticeably fouled, apply 5.25 to 10.25 fluid ounces (20 to 40 ppm on an active quaternary basis) per 1000 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: when microbial control is evident, add 1.33 to 3.85 fluid ounces (5 to 15 ppm on an active quaternary basis) per 1000 gallons of water in the system twice weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

b) MODIFIED INTERMITTENT METHOD

Initial Dose: When the system is noticeable fouled, apply 5.25 to 10.25 fluid ounces (20 to 40 ppm on an active quaternary basis) per 1000 gallons of water in the system. Apply half of this initial dose when half of the water in the system has been lost by blowdown.

Subsequent Dose: When control of microbial growth is evident, apply 1.33 to 3.85 fluid ounces (5 to 15 ppm on an active quaternary basis) per 1000 gallons of water in the system. Apply half of this subsequent dose when half of the water in the system has been lost by blowdown. Badly fouled systems must be cleaned before treatment is begun.

c) CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, apply 5.25 fluid ounces (20 ppm on an active quaternary basis) per 1000 gallons of water in the system.

Subsequent Dose: Maintain this treatment by starting a continuous feed of 1.33 fluid ounces (5 ppm on an active quaternary basis) per 1000 gallons of water lost by blowdown. Badly fouled systems must be cleaned before treatment is begun.

ONCE THROUGH WATER COOLING SYSTEMS

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.

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.

METHOD OF APPLICATIONS:

- a) Wear safety glasses, rubber gloves and impervious apron.
- b) Add product directly from drum or add the product at a point where it will be mixed uniformly.
- c) To reduce foaming, mix 2 parts of water to 1 part of this product.
- d) 0.15 to 1.5 fluid ounces (1-10 ppm on an active quaternary basis) per thousand gallons.

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- e) Do not discharge without performing proper deactivation. To perform deactivation use Bentonite Clay. The minimum ration to be used is 6 ppm of clay to 1 ppm of product.
- f) Do not use product more than 4 times per year.
- g) Treatment time can not exceed 120 hours/application.
- h) Avoid oxidizers and reducing agents. Product is cationic and should not be mixed with soap or anionic surfactants.

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 systems such as storage tanks, storage piles, associated piping, setting ponds or lagoons, transport spillways or canals and disposed 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.

(Note to reviewer: The title and first statement of this section must appear on every label, followed by the appropriate Storage and Disposal section.)

STORAGE AND DISPOSAL

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

(FOR USE ON NON-REFILLABLE CONTAINERS WITH HOUSEHOLD/RESIDENTIAL USES)
PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL/CONTAINER HANDLING: Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Wrap and put in trash or offer for recycling if available.

(FOR USE ON NON-REFILLABLE CONTAINERS WITH NO HOUSEHOLD/RESIDENTIAL USES)
PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

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.

CONTAINER HANDLING: Non-refillable container. Do not reuse this container to hold materials other than pesticides or diluted pesticides (rinsate). Triple rinse (or equivalent). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Offer for recycling for available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide

disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations.

RESIDUE REMOVAL INSTRUCTIONS: (For containers up to and including one gallon)

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

RESIDUE REMOVAL INSTRUCTIONS: (For containers greater than one gallon)

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

(FOR USE ON REFILLABLE CONTAINERS)

PESTICIDE STORAGE: Open dumping is prohibited. Store only in original container. If a leaky container must be contained within another, mark the outer container to identify the content. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

CONTAINER HANDLING: Triple rinse (or equivalent). Refill this container with this product only. Do not reuse this container for any other purpose.

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.

RESIDUE REMOVAL INSTRUCTIONS: Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.