

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

OCT - 4 2002

SUBJECT: Maquat 4450-10%-S&W  
EPA Registration Number: 10324-88  
Application Date: July 3, 2002  
Receipt Date: July 9, 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 with the conditions listed below:

- Update Disposal Statements
- Update First Aid Statements
- Update Precautionary Statements
- Additional Directions for Use

**Conditions**

Revise the label as follows:

1. Revise the "Precautionary Statements" to read: "Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, *inhaled or absorbed through the skin*. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses) rubber gloves and protective clothing when handling. *Avoid breathing vapor*. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse."

2. Revise the "Storage and Disposal" section by deleting the following statement for one gallon or smaller containers: "Wrap container and put in trash."

CONCURRENCES

SYMBOL	SURNAME	DATE					
7510C	J. [Signature]	10/3/02					



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

**DANGER, Keep Out of Reach of Children.** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed. Do not get into eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses), rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

*(If container is 5 gallons or larger the following statement must appear on the label)*

**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 to 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 than 5 gallons use the following environmental hazard statement.)*

**ENVIRONMENTAL HAZARD**

This product is toxic to fish.

**PHYSICAL OR CHEMICAL HAZARDS**

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

*(If the container is greater than one gallon use the following storage and disposal statements)*

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Do not store on side. Avoid creasing or impacting of side walls. Store only in original container. Do not reuse empty container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use. Keep from freezing.

**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 DISPOSAL (Larger than 1 gal.) - Triple rinse (or equivalent).** Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

*(If container is one gallon or less use the following storage and disposal statements)*

**STORAGE AND DISPOSAL**

Store in original container and place in locked storage area. Keep from freezing. Do not contaminate water, food, or feed by storage or disposal. Small spills may be mopped up or flushed away with water or absorbed on some absorbent material. Wrap container and put in trash. Securely wrap original container in several layers of newspaper and discard in trash.

**MAQUAT® 4450-10%-S & W**

A Water Treatment Microbiocide for Recirculating Cooling Water Towers and Swimming Pools.

**ACTIVE INGREDIENT:**

Didecyl dimethyl ammonium chloride ..... 10.0%

**INERT INGREDIENTS:**

..... 90.0%

**TOTAL:** ..... 100.0%

Weight approx. 8 lbs. /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. 10324-88  
E.P.A. Est. No. 10324-IL-1

BATCH NO



ACCEPTED

with COMMENTS  
in EPA Letter Dated:

OCT 4 2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 10324-88

224

## 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.

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 this product as directed. For best results slug feed. The frequency of addition of microbiocide needed depends on many factors. To optimize your use of this product 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. Initially use 30 fluid ounces per 1,000 gallons of water to be treated (20 ppm active quaternary). Should the above dosage not give satisfactory results, use 45 fluid ounces per 1,000 gallons of water. Repeat the initial dose every seven days or increase the frequency if needed.
4. When the above treatment is successful, use 10 to 15 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 fed every seven days. Dilute the appropriate amount of this product in 5 or 10 gallons of water, then add to the tower. Note: This product weighs 8.0 lbs. Per gallon (at 20°C). Should tower be heavily fouled, a precleaning is required.

### APPLICATION FOR SWIMMING POOLS

Ensure all pool equipment is working properly. Backwash the filter system following manufacturer's directions. Adjust pH to between 7.2-7.6. In outdoor chlorine treated pools, add stabilizer to establish a minimum level of 40-50 ppm to reduce the degradative effects of sunlight upon the chlorine residual. Check for metals and if present add a stain and scale inhibitor to prevent staining of pool surface due to metal. Maintain sanitizer residual in accordance with label directions found on your sanitizer of choice. When using other products as outlined in directions for this product, always follow directions on those products.

**INITIAL DOSE:** Add 26.25 fluid ounces of this product to 10,000 gallons of pool water. Wait 15 minutes before entering pool.

**MAINTENANCE DOSE:** Add 6.25 fluid ounces of this product to 10,000 gallons of pool water. If pool has a visible algae growth, treat with initial dose. Vacuum pool after 24 hours to remove algae debris. If visible algae are still present or reappear, repeat this treatment procedure as necessary. When pool is free of visible algae, use the

recommended maintenance dose. Maintenance dose should be added weekly. If high temperatures prevail or pool has unusually heavy use, add maintenance dose more frequently. Maintenance dose should be added after a heavy or prolonged rainfall. If make-up is added at the rate of more than 10% per week of pool capacity, add 2.5 fluid ounces of this product for each 1,000 gallons of fresh make-up water added. Wait 15 minutes before entering pool.

When swimming season is over, add maintenance dose prior to closing pool. This dose helps provide a measure of control of algae growth during the winter months. This treatment will also help the servicing of the pool before it is returned to use the following season. For persistent algae or slime producing microorganism growth, add 30-37.5 ounces of this product into the skimmer with the filter pump running. After one minute, shut off the pump and allow the system remain off over night. The following day, re-start the filter pump, and add 30-37.5 ounces of this product to the pool. Run the filter continuously for 24-48 hours, brushing the sides and bottom of pool frequently.

ACCEPTED  
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in EPA Letter Dated:

OCT 4 2002

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
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484