



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Washington, D.C. 20460

OFFICE OF  
 PREVENTION, PESTICIDES  
 AND TOXIC SUBSTANCES

APR 22 2003

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

Subject: Maquat MC14142-50%-S  
 EPA Registration No. 10324-45  
 Amendment dated: January 21, 2003  
 EPA Received date: January 22, 2003

Dear: Ms. Elizabeth Tannehill,

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

**Proposed Amendment**

- Response to Agency letter dated January 6, 2003
  - Revised calculation table
  - Deleted requested statement from Storage and Disposal
  - Directions for Spas and Whirlpools

**Condition:**

- Based on data currently in the Agency files your product must bear the following Precautionary Language:

Danger Corrosive Causes irreversible eye damage and skin burns. Do not get in eyes or on clothing. Wear protective eyewear (safety glasses), clothing, and protective gloves (goggles, face shield, or safety glasses) May be fatal if inhaled, swallowed, or absorbed through skin. Do not breath (dust, vapor, or spray mist.) Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

**CONCURRENCES**

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**General Comments**

A stamped label is enclosed for your records. Please submit three (3) copies of your final printed label before distributing or selling the product bearing the revised labeling. If the above condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6 (e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of the condition. If you have any questions regarding this letter, please contact Velha Noble at (703) 308-6233.

Sincerely,



Velha Noble

Product Manager (31)

Regulatory Management Branch1

Antimicrobial Divisions (7510c)

**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 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 any other 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. 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<sup>®</sup> MC1412-50%-S**

For Control of Algae and Algae Slime Growth in Swimming Pools and Outdoor Spas, Whirlpools and Hot Tubs

**ACTIVE INGREDIENTS**

n-Alkyl (50%C<sub>14</sub>, 40%C<sub>12</sub>, 10%C<sub>16</sub>)  
dimethyl benzyl ammonium chloride..... 50.00%

**INERT INGREDIENTS:** ..... 50.00%

**TOTAL:** ..... 100.00%

Product weighs 8 lbs. per 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 advise. 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 advise.

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

**MASON CHEMICAL COMPANY**



"THE QUATERNARY SPECIALISTS" **ACCEPTED**  
721 W. Algonquin Road  
Arlington Heights, IL 60005  
847-290-1621  
with **COMMENTS**  
in EPA Letter Dated:

Toll Free:  
1-800-362-1855

APR 22 2003

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

E.P.A. Reg. No. 10324-45  
E.P.A. Est. No. 10324-IL

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BATCH NO 10324-45

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Please read entire label and use strictly in accordance with precautionary statements and directions.

### 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. This product is effective in controlling the growth of the following types of algae: *Chlorella pyrenoidosa* (green algae), *Phormidium inundatum* (blue-green algae) and *Phormidium ritzii*. When using other products as outlined in directions for this product, always follow directions on those products.

- Dosages** – For pools, which are, free of algae or contain algae growth.

**Initial Application:** For an initial application, pour directly into pool at a rate of 7.68 ounces of this product per 15,000 gallons of water (2 ppm). More rapid distribution will be achieved by pouring a portion of the specified amount into several areas of the pool until all of the required quantity has been added. Recirculation accomplished by running the filter will assure rapid dispersion of product.

**Maintenance:** Pour directly into pool at a rate of 6.4 ounces per 50,000 gallons of water (.5 ppm) every 3-5 days depending on weather and use factors. After each rain of consequence, add 6.4 ounces per 50,000 gallons water. Even when the pool may not be in use for periods of time, algaecide additions should be made since a heavy accumulation of algae growth is difficult to remove. The appropriate amount of this product should be added by pouring a portion of the specified amount into several areas of the pool until the required quantity has been added. Recirculation accomplished by running the filter will assure rapid dispersion of product.

- Reentry interval: swimmers are allowed to re-enter the pool 15 minutes after application of the product.
- Ensure that water quality conditions are maintained for the successful use of the product.

Swimming Pool Capacity Gallon of Water	Initial Treatment	Maintenance Dose
2,500	1.28 ounces	0.32 ounces
5,000	2.60 ounces	0.64 ounces
10,000	5.12 ounces	1.28 ounces
15,000	7.68 ounces	1.92 ounces
20,000	10.24 ounces	2.56 ounces
25,000	12.80 ounces	3.20 ounces
50,000	25.60 ounces	6.40 ounces

How to measure the gallon capacity of your pool:

Measure Length (L), Width (W) and average Depth (D) in feet.

For Square or Rectangular pools:  $L \times W \times D \times 7.5 = \text{gallons}$

For Circular or Elliptical Pools:  $L \times W \times D \times 5.9 = \text{gallons}$

### **FOR WINTERIZING POOLS BEFORE FREEZING**

Test the water and adjust to the proper levels.

After pool is no longer in use, super-chlorinate, using a recommended winter shock treatment, according to label directions. Allow pump to circulate for several hours or overnight.

Add winterizing algaecide directly to pool water, walking around the pool, so that it is evenly distributed. Use at the rate of 25.6 ounces per 50,000 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.

### **DIRECTIONS FOR USE IN OUTDOOR SPAS, WHIRLPOOLS AND HOT TUBS**

**Initial Dose:** Add 2.6 ozs. of this product per 5,000 gallons of water. Initial dose is used upon filling of outdoor spas, whirlpools and hot tubs.

**Maintenance Dose:** Add 0.64 ozs. of this product per 5,000 gallons of water. Maintenance dose should be added at 3-5 day intervals. If high temperatures prevail or outdoor spas, whirlpools and hot tubs have unusual heavy use, add maintenance dose more frequently.

Drain and clean outdoor spa, whirlpool and hot tub at least once a month or as needed depending on bather load.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

APR 22 2003

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 103-24-45

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