

10324-138

9-3-2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 3 - 2003

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

SUBJECT: Maquat FL-2  
EPA Registration Number: 10324-138  
Application Dated: June 25, 2003  
Receipt Date: June 30, 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 subject to the conditions listed below.

- Revise Precautionary Language

**Conditions**

The "Cite-All" method was used to support the acute toxicity data requirements for this product. When this is the case, the Agency relies on specific data which has been submitted, reviewed and found acceptable for a formulation which is the same or substantially similar to your product. The Agency has completed risk assessments to characterize the chemical, Alkyl Dimethyl Ammonium Chloride (ADBAC). During this process, the acute toxicology profile was determined for products with an active ingredient concentration ranging from 40% to 80%. According to this data, your product is classified as follows:

Primary Eye	Tox I
Primary Skin	Tox I
Acute Inhalation	Tox II
Acute Oral	Tox II
Acute Dermal	Tox II

CONCURRENCES							
SYMBOL	7510C						
SURNAME	J. Lee						
DATE	8/28/03						

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Thus revise the Precautionary Statements to read exactly as follows:

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

If you believe these toxicity categories are incorrect for your product, you may submit or cite specific data (by MRID) to be reviewed by the Agency.

The Agency is aware that there are products in the market place which should be revised to reflect the appropriate precautionary language. As these products come to our attention we will ask that the language be upgraded.

General Comments

A stamped copy of the accepted labeling is enclosed. Submit one (1) copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,

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

Enclosure: Stamped Label  
7510C:T.Lantz:8/28/03:10324-138b

CONCURRENCES

SYMBOL								
SURNAME								
DATE								

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

**DANGER, Keep Out of Reach of Children.** Corrosive. Causes irreversible eye damage and skin burns. May be if swallowed or inhaled. Do not breath vapor. 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 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 incineration, 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<sup>®</sup> FL-2**

For Control of Algae and Algae Slime Growth in Swimming Pool

**ACTIVE INGREDIENTS**

Alkyl (58%C<sub>14</sub>, 28%C<sub>16</sub>, 14%C<sub>12</sub>)  
dimethyl benzyl ammonium chloride..... 40.0%

**INERT INGREDIENTS:** ..... 60.0%

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

Product weighs 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 the use of gastric lavage.

**MASON CHEMICAL COMPANY**

"THE QUATERNARY SPECIALISTS"

721 W. Algonquin Road  
Arlington Heights, IL 60006  
847-290-1621

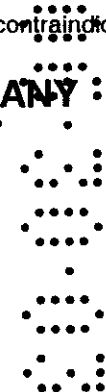
Toll Free: .....  
1-800-362-1855.....

E.P.A. Reg. No. 10324-138  
E.P.A. Est. No. 10324-IL-1

NET CONTENTS

BATCH NO

ACCEPTED  
with COMMENTS  
EPA Letter Dated:  
SEP 3 2003  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.  
10324-138



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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.

### 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.

1. **DOSAGES** – For pools that are free of algae or contain algae growth.

**Initial Application:** For an initial application, pour directly into pool at a rate of 16 ounces of this product per 25,000 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 4 ounces per 25,000 gallons of water (0.5 ppm) every 5-7 days depending on weather and use factors. After each rain of consequence, add 8 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.

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

Gallons of Water	Initial Treatment	Maintenance Dose
5,000	3.2 ounces	0.8 ounces
10,000	6.4 ounces	1.6 ounces
20,000	12.8 ounces	3.2 ounces
25,000	16.0 ounces	4.0 ounces
30,000	19.2 ounces	4.8 ounces
40,000	25.6 ounces	6.4 ounces
50,000	32.0 ounces	8.0 ounces

How to measure the gallon capacity of your pool:

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

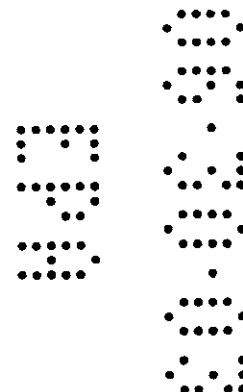
For Square or Rectangular pools:  $L \times W \times D \times 7.5 = \text{gallons}$

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

### FOR WINTERIZING POOLS BEFORE FREEZING

This product aids in the prevention of algae in swimming pools during the winter months, when the pool is out of service. This product may be used in pools sanitized with chlorine or bromine. 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 32 ounces (4 ppm) per 25,000 gallons. Allow to circulate for 2-4 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.



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