

10324-44

9/19/2014

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Lisa M. Amadio  
Regulatory Affairs Manager  
Mason Chemical Company  
712 W. Algonquin RD  
Arlington Heights, IL 60005

SEP 19 2014

SUBJECT: Maquat MC1412-10% - S  
EPA Registration Number: 10324-44  
Application Dated: August 19, 2014  
Receipt Date: August 22, 2014

Dear Ms. Amadio:

This letter acknowledges receipt of the notification identified above submitted under the provisions of section 3 (c) 9 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended and PR Notice 98-10 and 40 CFR 152.46.

- As per your request for the removal of DOT information, "all types" and secondary container label information. Correction of the CA notes and addition of a graphic header.

**General Comments**

Based on a review of the submitted information, this notification is acceptable. Your proposed changes will be made part of the record for this file.

Should you have any questions concerning this letter, please contact John Cowden at (703) 347-0259 or Velma Noble at (703) 308-6233.

Sincerely,

A handwritten signature in black ink, appearing to read "John Cowden", written over a horizontal line.

John Cowden  
Environmental Protection Specialist (31)  
Regulatory Management Branch I



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number <b>10324-44</b>	2. EPA Product Manager <b>Velma Noble</b>	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Maquat® MC 1412-10%-S</b>	PM# <b>31</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>Mason Chemical Company 721 W. Algonquin Road Arlington Heights, IL 60005</b> <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> In accordance with FIFRA Section 3 (c) (3) (b) (i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated <u>8/13/12</u>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional Page(s) if necessary. (For section I and Section II)

Final Label: Representative label submitted for Maquat MC 1412-10%-S, EPA Reg. No. 10324-44.

Contact: Mandi Warner, [mnwarner@pilotchemical.com](mailto:mnwarner@pilotchemical.com), 224-404-2032

**Section - III**

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per Container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Package wgt. No. Per Container	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* <b>Certification must be submitted</b>			
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container	4. Size(s) Retail Container 32 oz., 1, 5, 55 gallons Totes/Tankers	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Stenciled <input checked="" type="checkbox"/> Other <u>Plastic Sleeve/Silk Screened</u>			

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted if necessary to process this application.)		
Name <b>Mandi Warner</b>	Title <b>Registration Specialist</b>	Telephone No. (Include Area Code) <b>224.404.2032</b>
<b>Certification</b> I certify that the statements which I have made on this form and all attachments are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title <b>Registration Specialist</b>	
4. Typed Name <b>Mandi Warner</b>	5. Date <b>6-6-14</b>	



# MASON CHEMICAL COMPANY

**"The Quaternary Specialists"**

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June 6, 2014

Document Processing Desk  
Attn: Velma Noble, PM 31  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
One Potomac Yard, Room S4900  
2777 South Crystal Drive  
Arlington, VA 22202

*File in  
Jacket*

Subject: Final Printed Label for Maquat MC1412-10%-S, 10324-44

Dear Velma,

Enclosed is one (1) final printed copy of our label Maquat MC1412-10%-S, EPA Reg. No. 10324-44, as per your letter dated August 13, 2012. This is a representative label and will be used for supplemental distribution.

If you have any questions or need any further information, please do not hesitate to contact me at (224) 404-2032. Your attention to this matter is most appreciated.

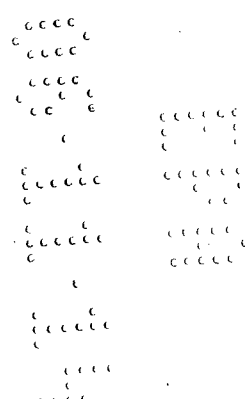
Very truly yours,

MASON CHEMICAL COMPANY

*Mandi Warner*

Mandi Warner

Enclosure





• 10% Concentration

• Kills and prevents all type of Algae

MAQUAT® MC1412-10%-S is compatible with many swimming pool chemicals and when used as directed it is not harmful to the metal paint, plastic or tile surfaces of the swimming pool.

MAQUAT® MC1412-10%-S, when used as directed, will help improve the appearance and cleanliness of the swimming pool water.

MAQUAT® MC1412-10%-S helps inhibit the growth of unsightly algae.

MAQUAT® MC1412-10%-S requires no special equipment for treating swimming pool water. The correct use-dilution may be added directly to the pool in any spot, or added to the water-circulation equipment.

This product is efficient and stable in use dilution.

This product is compatible with most chemicals used in pool water and will not damage tile, concrete, metal or plastics.

This product keeps pool water clear and sparkling, free of visible green and blue-green algae, slime and green brown colors.

This product improves filter operation and reduces need for other chemicals.

This product imparts tone and a pleasant "feel" to swimming pool water.

This product is formulated to complement swimming pool water being treated with normal chlorine systems. It is especially effective against growth of algae and being non-volatile, aids in maintaining pool water clarity and sparkle. The residual effectiveness of this algaecide tends to stabilize the total chemical treatment system.

This product is compatible with most chemicals normally used in swimming pool maintenance. However, in its concentrated form, this chemical must not come in contact with high concentrations of chlorine or any other oxidizer. **DO NOT MIX THIS PRODUCT AND CHLORINE OR ANY OTHER OXIDIZER TOGETHER** before adding to the pool. These chemicals must be handled separately.

This product was formulated to complement most swimming pool sanitizers. This product is not a stand-alone product. It must be used with either halogen based or non-halogen based pool sanitizers. This product supports your overall pool chemical maintenance program, offering a residual effectiveness that protects your pool against algae formation while keeping your pool water sparkling clear. This product protects the unattended pool when you're away (refer to Vacation Treatment section under Directions For Use).

### 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

This product requires no special equipment for treating swimming pool water. The correct use dilution may be added directly to the pool in any spot or added to the water circulation equipment. This product works best when added by itself directly to pool water.

### INSTRUCTIONS FOR USE WITH HALOGEN BASED POOL SANITIZERS

This product is formulated to complement most swimming pool sanitizers. When using other products as outlined in Directions For Use on those products, always follow

Directions For Use of those products. This product is effective against the growth of algae. This product is efficient and non-staining when used as directed. This product will not evaporate and its algae fighting abilities actually increase as pool water temperature increases.

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 incurdatum* (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, which are, free of algae or contain algae growth.

**Initial Application:** For an initial application, pour directly into pool at a rate of 38.4 ounces of this product per 15,000 gallons of water (for one quart contain 19.2 ounces per 7,500 gallons) (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 1 quart per 50,000 gallons of water (.5 ppm) every 3-5 days depending on weather and use factors. After each rain of consequence, add 1 quart 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.

### Booster Application

Add one quart of this product in 50,000 gallons of water after a heavy or prolonged rainfall or when there is a heavy bathing load.

The above directions must be followed even when the pool is not in use.

If algae growth is noticeable, apply initial dose.

### Vacation Treatment

When you are going to be away for one week or more add 24 ounces of this product per 10,000 gallons of water for every week unattended. Pour product around the edges of the shallow end of the pool, if shock is also being applied in the deep end of pool.

**For Winterizing Pools Before Freezing** (not applicable in California)

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.

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Add winterizing algaecide directly to pool water, walking around the pool, so that it is evenly distributed. Use at the rate of 38.4 ounces per 15,000 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.

**OPTIONAL INSTRUCTIONS FOR USE WITH NON-HALOGEN BASED POOL SANITIZERS**

This product is formulated to complement swimming pool water being treated with the BioGuard Softswim System, Bacquacil and other non-halogen systems. When using other products as outlined in Directions For Use for this product, always follow Directions For Use of those products. This product is efficient and non-staining when used as directed. This product will not evaporate and its algae fighting abilities actually increase as the pool water temperature increases. The residual effectiveness of this product tends to stabilize the total chemical treatment system.

Ensure all pool equipment is working properly. Backwash the filter system following manufacturers' directions. Adjust pH between 7.2-7.6. Check for metals and if present add satin and scale inhibitor to prevent staining of pool surface due to metals.

Add this product directly into pool by pouring around entire outside perimeter of pool. Allow the filter to run for at least six (6) hours after adding algaecide. During this period, do not allow swimmers in the water.

**Initial Application For Swimming Pools** (Note to reviewer: The term "to waste" is not for use in California.)

1. Backwash the filter thoroughly.
2. Vacuum algae debris (to waste) and thoroughly brush pool.
3. Add one gallon of this product to each 50,000 gallons of water (for one quart container: 1 quart per 12,500 gallons) (or ratio thereof).
4. Vacuum pool after 24 hours to remove dead algae.
5. If algae is still visible repeat dose (steps 3 & 4) as necessary until pool is free of visible algae.
6. Once algae are under control, clean filter and return to normal operation.

**Maintenance Application**

Add one quart of this product in 50,000 gallons of water every 3-5 days or as needed.

**Booster Application**

Add one quart of this product in 50,000 gallons of water after a heavy or prolonged rainfall or when there is a heavy bathing load.

The above directions must be followed even when the pool is not in use.

If algae growth is noticeable, apply initial dose.

**Vacation Treatment**

When you are going to be away for one week or more add 24 ounces of this product per 10,000 gallons of water for every week unattended. Pour product around the edges of the shallow end of the pool, if shock is also being applied in the deep end of pool.

**Winterizing Treatment** (not applicable in California)  
This product may be used with the following pool chemicals to form a winterization "package":

**Directions:**

1. Add a maintenance dose of chloride or oxygen shock.
2. Top up BioGuard Softswim System, Bacquacil or other non-halogen systems to 50 ppm.

3. Add 38.4 gallon per 15,000 (or ratio thereof) of water left in 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.

4. Allow filter to run for several hours after chemical additions for good mixing.

**Note:** Before using chlorine or oxygen shock, read the Directions for Use and Precautionary Statements specific to that product.

(Usage chart for one-gallon containers)

Swimming Pool Capacity Gallon of Water	Initial Treatment	Maintenance Dose
2,500	6.4 ounces	1.6 ounces
5,000	12.8 ounces	3.2 ounces
10,000	25.6 ounces	6.4 ounces
12,500	32.0 ounces	8.0 ounces
15,000	38.4 ounces	9.6 ounces
20,000	51.2 ounces	12.8 ounces
25,000	64.0 ounces	16.0 ounces

OR

(Usage chart for one-quart (32 oz.) containers)

Swimming Pool Capacity Gallon of Water	Initial Treatment	Booster Dose
5,000	12.8 ounces	3.2 ounces
10,000	25.6 ounces	6.4 ounces

**TO DETERMINE POOL CAPACITY**

**Rectangular Pools:** Length (times) width (times) average depth (in feet) (times) 7.5 (equals) gallons.

**Round and Oval Pools:** Long diameter (times) short diameter (times) average depth (in feet) (times) 5.9 (equals) gallons

**DIRECTIONS FOR USE IN (OUTSIDE) SPAS/WHIRLPOOLS/HOT TUBS** ("Outside" description not for use in California)

**Initial Dose:** Add 12.8 ounces of this product per 5,000 gallons of water. Initial dose is used upon filling of (outside) spa/whirlpool/hot tub bath.

**Maintenance Dose:** Add 3.2 ounces of this product per 5,000 gallons of water. Maintenance dose should be added at 3-5 day intervals. If high temperatures prevail (outside) spa/whirlpool/hot tub bath has unusually heavy use, add maintenance dose more frequently. Drain and clean outside spa/whirlpool/hot tub bath at least once a month or as needed depending upon bather load.

**DIRECTIONS FOR USE**

**CONTROLLING ALGAE GROWTH**

**BIRD BATHS:** Do not use with fish. Clean to remove algae growth prior to filling birdbath. Then spray all exposed surfaces with a solution of 1 ounce of this product per gallon of water. Allow to air dry and brush off dead algae.

Or

**INSTRUCTIONS FOR BIRD BATHS**

This product is toxic to fish. **DO NOT** use this product when fish are present.

**Initial Dose:**

1. Drain Bird Bath.

(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 Swimming Pool Use and Decorative Fountains and Pools in nonrefillable containers up to and including 5 gallons)

Nonrefillable container. Store in original container in areas inaccessible to small children. Keep from freezing. Do not reuse empty container. Triple rinse container (or equivalent) after emptying. Offer for recycling if available or wrap and discard in trash.

(For Swimming Pool Use and Decorative Fountains and Pools in containers over 5 gallons)

**PESTICIDE STORAGE:** Store in original containers and place in locked storage area. Keep from freezing. Do not contaminate water, food, or feed by storage or disposal.

**SPILL OR LEAK PROCEDURES:** Small spills may be mopped up or flushed away with water or absorbed on some absorbent material and incinerated.

**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 used according to the label instructions, contact your State Pesticide or Environmental Control agency or the Hazardous Waste representative at the nearest EPA Region Office for guidance.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse container (bottle, cans, jars). Triple rinse (or equivalent). Offer for recycling if available or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

Made in USA



[Optional - for use on residential use swimming pool and spa products.]



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- Wipe, mop or spray all exposed surfaces using 1 ounce of this product per gallon of water. Spray device must be a mechanical coarse spray device. When applied with spray device, surfaces must be sprayed until thoroughly wetted. Do not rinse.
- Allow to air dry and brush off dead algae. Repeat, if necessary, until no algae is visible.
- Refill Bird Bath with fresh water.

**Maintenance Dose:** Repeat initial treatment when algae growth returns.

**ALGAE CONTROL ON WALKWAYS:** For heavy infestations, spray or swab a solution of 1 ounce of this product per gallon of water. Let stand for an hour or more then brush and wash away dead algae. Soak area again with the solution. Do not rinse. Allow to (air) dry on the surface and repeat application when algae growth returns. (Not for use in CA)

### INSTRUCTIONS FOR (CONTAINERIZED) DECORATIVE FOUNTAINS AND POOLS

(Note to Reviewer: "Containerized" description must be used in California.)

This product is not to be used in open water ways connected to larger watersheds or in waters that serve as natural habitats for aquatic and amphibious organisms. DO NOT use when fish or other wildlife (for example, amphibians) are present. This product is toxic to fish. DO NOT use this product when fish are present.

#### Initial Dose:

- Remove floating algae by raking, dragging with cable or chain or any other suitable method. It is more economical to remove floating type algae (if possible) before the water is treated.
- Add this product at any point that is convenient, such as the bowl, pool, or sump.
- Add 32 ounces per 12,500 gallons or ratio thereof.

**Weekly Maintenance Dose:** Add one quart of this product to each 12,500 gallons of water every 3-5 days or as to maintain 0.5 ppm active.

Each month drain and clean bowl. Refill with fresh water and repeat initial treatment. Draining removes airborne dirt, dust, contamination and alkali buildup.

Decorative Fountain or Pools Capacity in gallons of water	Initial Treatment	Maintenance Dose Booster Dose
12,500	32 ounces	8 ounces
6,250	16 ounces	4 ounces
3,125	8 ounces	2 ounces
1,562	4 ounces	1 ounce
781	2 ounces	½ ounce, (1 Tbsp)
390	1 ounce	¼ ounce
195	½ ounce, (1 Tablespoon)	0.125 ounces

OR

(Usage chart for one-quart containers)

Decorative Fountain or Pools Capacity in gallons of water	Initial Treatment	Maintenance Dose Booster Dose
195	½ ounce, (1 Tablespoon)	0.125 ounces
390	1 ounce	¼ ounce
781	2 ounces	½ ounce
1,562	4 ounces	1.0 ounce
3,125	8 ounces	2.0 ounces
5,000	12.8 ounces	3.2 ounces
6,250	16.0 ounces	4.0 ounces
12,500	32.0 ounces	8.0 ounces

## SECONDARY CONTAINER LABEL

(Note to Reviewer: This secondary container label will be used only when the product is diluted in accordance with the use directions.)

# MAQUAT MC1412-10%-S

E.P.A. Reg. No. 10324-44 E.P.A. Est. No. 10324-IL-1

The product in this container is diluted according to the directions for use on the pesticide product label when used to control algae in birdbaths and on walkways.

### ACTIVE INGREDIENTS:

Alkyl (50%C<sub>14</sub>, 40%C<sub>12</sub>, 10%C<sub>16</sub>)  
dimethyl benzyl ammonium chloride..... 10.0%

### INERT INGREDIENTS:

TOTAL: ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER PELIGRO**

### 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 or absorbed through the skin. Do not get into eyes, on skin or on clothing. Wear goggles or face shield or safety glasses and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

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

Follow the directions for use on the pesticide label when applying this product. See product label for Storage and Disposal instructions.

## MASON CHEMICAL COMPANY "THE QUATERNARY SPECIALISTS"

721 W. Algonquin Road  
Arlington Heights, IL 60005

847-290-1621

Toll Free  
1-800-362-1855



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