

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
10324-122

Date of Issuance:
NOV 21 2001

NOTICE OF PESTICIDE:
 x Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
CONDITIONAL

Name of Pesticide Product:
Maquat MC1412-PS

Name and Address of Registrant (include ZIP Code):

Mason Chemical Co.
721 W. Algonquin Rd.
Arlington Heights, IL 60005

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Add the phrase EPA Registration Number "EPA Reg. No. 10324-122".

Signature of Approving Official:

Tracy Lewis for
Velma Noble
Regulatory Management Branch 1
Antimicrobial Division (7510C)

Date:

NOV 21 2001

EPA Form 8570-6

CONCURRENCES

SYMBOL	7510C						
SURNAME	<i>Tracy Lewis</i>						
DATE	11/21/01						

3. Based on the acute toxicity data in the Agency files revise the "Precautionary Statements" by adding the following statements: "May be fatal if swallowed. Harmful if inhaled. Avoid breathing vapor or spray mist." Also revise to state: "Harmful if absorbed through the skin."

4. Revise the "First Aid" statements to include the following text in the "IF INHALED" statement: "If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to mouth if possible."

5. Revise the "Storage and Disposal" statements for containers of 1 gallon or less by deleting the following phrase: "and incinerated." from the spill or leak procedures as this is not appropriate for a residential use product. Also delete the last statement of the container disposal statement and replace with "Wrap container and put in trash."

6. The heading "Directions for Use" must only appear once on your label. Delete the phrase "Directions for Use" as it appears immediately prior to the subheading "For Industrial (and or Commercial) recirculating cooling water towers and retort water systems". Also delete the statement: "It is an violation of...with its labeling." as it is associated with the second "Directions for Use" heading.

7. Delete the following statements which appear to be out of order in the "Once through water cooling systems" directions for "Intermittent or Slug Method": "Deactivation must be conducted prior to should be tied to an in plant monitoring program for macro fowling growth." and "discharge from the system by using bentonite clay at a minimum of 5 ppm clay to 1 ppm clay." Retain the statement which reads exactly as follows: "Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum of 5 ppm clay to 1 ppm clay."

8. Delete the entire chart at the end of the label (page three) which lists dosages including 3.2 ounces per 5,000 gallons and 6.4 ounces per 10,000 gallons of water for the initial treatment of pool water. These dosages are incorrect for this formulation. In addition, delete the information in this same section regarding calculations for the volume of water in the pool. This information is already supplied on page two of the label.

9. The submitted Alternate Formulation is unacceptable. In order to support this formulation you must submit Product Chemistry data, revised Certification with Respect to Citation of Data forms and a revised End Use Data Matrix. Your application may refer to the previously submitted Generic Data Matrix of 8/17/01. Please be advised that the General ~~USE~~ CONCERNS for this product must be

SYMBOL	revised	Your product is	not classified as	only having	"Indoor"				
SURNAME	uses.								
DATE									

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. Submit (1) copy of the final printed label prior to the release of the product for shipment.

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

Sincerely,



for Velma Noble
Product Manager 31
Regulatory Management Branch 1
Antimicrobial Division (7510C)

Enclosure: Stamped Label
7510C:T.Lantz:11/21/01:10324-122

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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

DANGER, Corrosive. Causes irreversible eye and/or skin burns. Harmful if swallowed or absorbed through skin. Do not get into eyes, on skin or on clothing. Wear goggles or face shield, protective clothing, and rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

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.

PHYSICAL OR CHEMICAL HAZARDS

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

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Do not store on side. Avoid creasing or impacting of side walls. Store 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

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

ACCEPTED
with COMMENTS
in EPA Letter Date:

NOV 21 2001

General Insecticide,
Rodenticide Act as
pesticide
EPA Reg. No.

MAQUAT MC1412-PS

For Control of Algae and Algal Slime
Growth in Swimming Pools, Industrial and/or Commercial Recirculating Cooling Water Towers,
Retort Cooling Systems, and Molluscs in Once Trough Water Cooling Systems

ACTIVE INGREDIENTS

Alkyl (50%C₁₄, 40%C₁₂, 10%C₁₀) dimethyl benzyl ammonium chloride 80.00%

INERT INGREDIENTS: 20.00%

TOTAL: 100.00%

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 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: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

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-*REE*
E.P.A. Est. No. 10324-IL-1

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10324-127

(For Swimming Pool Use 1 gallon or less)

STORAGE AND DISPOSAL

1. STORAGE INSTRUCTIONS

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

2. SPILL OR LEAK PROCEDURES

Small spills may be mopped up or flushed away with water or absorbed on some absorbent material and incinerated.

3. PESTICIDE DISPOSAL

Securely wrap original container in several layers of newspaper and discard in trash.

4. CONTAINER DISPOSAL

Do not reuse container (bottle, cans, jars). Rinse thoroughly before discarding in trash.

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 ritzi*. 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 16 ounces of this product per 50,000 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 50,000 gallons of water (0.5 ppm) every 5-7 days depending on weather and use factors. After each rain of consequence, add 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.

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.

Swimming Pool Capacity Gallon of Water	Initial Treatment	Maintenance Dose
5,000	1.6 ounces	0.4 ounces
10,000	3.2 ounces	0.8 ounces
20,000	6.4 ounces	1.6 ounces
25,000	8.0 ounces	2.0 ounces
30,000	9.6 ounces	2.4 ounces
40,000	12.8 ounces	3.2 ounces
50,000	16.0 ounces	4.0 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: $L \times W \times D \times 7.5 =$ gallons

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

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

registered under EPA Reg. No. 10324-
122

NOV 21 2001

ACCEPTED
with COMMENTS
in EPA Letter D-0003

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 16 ounces (6.7 ppm) 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.

DIRECTIONS FOR USE

For Industrial (and/or Commercial) recirculating cooling water towers and retort water systems

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.

Industrial (and/or Commercial) recirculating cooling water towers and retort water systems and Once Through 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.
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. **METHOD OF APPLICATION:**

a. **INTERMITTENT OR SLUG METHOD**

Initial Dose: When the system is noticeably fouled, apply 3.2 to 6.4 fluid ounces (20 to 40 ppm on an active quaternary basis) per 1000 gallons of water in the system. Repeat until control is achieved.

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Subsequent Dose: when microbial control is evident, add 0.8 to 2.4 fl oz (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 3.2 to 6.4 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 0.8 to 2.4 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 3.2 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 0.8 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.
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. **METHOD OF APPLICATIONS:**

a. INTERMITTENT OR SLUG METHOD

Initial Dose: When the system is noticeably fouled, apply 0.16 to 1.6 fluid ounces (1 to 10 ppm on an active quaternary basis) per 1000 gallons of water based on system flow rates. The minimum treatment should be 6 to 24 hours. Repeat until control is achieved. Deactivation must be conducted prior to should be tied to an in plant monitoring program for macro fowling growth. Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm clay to 1 ppm product. discharge from the system by using bentonite clay at a minimum ratio of 5 ppm clay to 1 ppm product.

Subsequent Dose: When microbial control is evident, add 0.08 to 0.8 fluid ounces (.5 to 5 ppm on an active quaternary basis) per 1000 gallons of water based upon system flow rates on a as needed basis to maintain control. Frequency of feed should be tied to an in plant monitoring program for macro fowling growth. Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm clay to 1 ppm product.

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, apply 0.08 to 0.8 fluid ounces (0.5 to 5 ppm on an active quaternary basis) per 1000 gallons of water based on system flow rates. Continue to feed until needed control is achieved. Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm to 1 ppm product.

Subsequent Dose: Maintain treatment by starting a continuous feed of .032 to 0.32 fluid ounces (0.2 to 2 ppm on an active quaternary basis) per 1000 gallons of water based upon system flow rates. Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm to 1 ppm product.

Swimming Pool Capacity Gallon of Water	Initial Treatment	Maintenance Dose
5,000	3.2 ozs.	0.8 ozs.
10,000	6.4 ozs.	1.6 ozs.
20,000	12.8 ozs.	3.2 ozs.
25,000	16.0 ozs.	4.0 ozs.
30,000	19.2 ozs.	4.8 ozs.
40,000	25.6 ozs.	6.4 ozs.
50,000	32.0 ozs.	8.0 ozs.

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: $L \times W \times D \times 7.5 =$ gallons

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

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 27 2001

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 10324-122

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