

10324-15

10-25-2007

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

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

OCT 25 2007

Elizabeth Tannehill
Regulatory Manager
Mason Chemical Company
721 W. Alagoquin Rd.
Arlington, Heights. IL 60005

Subject: Maquat TC76-10%
EPA Reg. No. 10324-15
Application Dated: Sept 20, 2007
Receipt Date: Sept 26, 2007

Dear Elizabeth Tannehill

The following notification submitted in connection with registration under the provisions of PR Notice 98-10, Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) section 3(c)9. is acceptable.

Proposed Notification

Adding Storage and Disposal Directions for Containers over 1 gallon.

Comments

Based on a review of the material submitted, the following comments apply:
This application for notification to add *Storage and Disposal Directions for Containers over 1 gallon* is acceptable. A copy has been placed in our records for future reference.

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

Sincerely,

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

| CONCURRENCES | | | | | | | |
|--------------|----------|--|--|--|--|--|--|
| SYMBOL | 7510C | | | | | | |
| USERNAME | | | | | | | |
| DATE | 10-23-07 | | | | | | |



MASON CHEMICAL COMPANY

"The Quaternary Specialists."

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September 20, 2007

Velma Noble
Document Processing Desk
Office of Pesticide Programs (7504C), PM31
U.S. Environmental Protection Agency
Room 266A, Crystal Mall 2
1801 S. Bell St.
Arlington, VA 22202-4501

Subject: Maquat® TC76-10%, 10324-15
Notification

Dear Velma,

This is NOT a PRIA action.

We are respectfully submitting the following items on our label, Maquat® TC76-10%, 10324-10:

1. One (1) copy of label
2. Application/Notification Form

We are adding Storage and Disposal instructions for containers over 1 gallon for swimming pools. Several of our customers sell in containers over 1 gallon and have requested this addition on our label.

According to 40CSF152.46, we feel this is a notification as this is "a minor modification and has no potential to cause unreasonable adverse effect to the environment". In addition, we believe we also meet the requirements of PR Notice 98-10 with this request.

If you do not feel this is a notification, please let me know ASAP so that I can make the appropriate changes. If you have any questions, please do not hesitate to contact me at 800-362-1855 or liz@maquat.com. Your assistance with this registration is greatly appreciated.

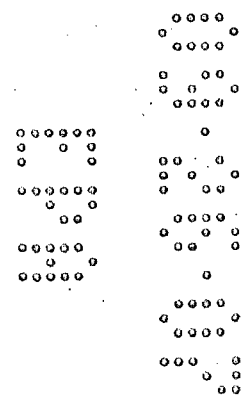
Very truly yours,

MASON CHEMICAL COMPANY



Elizabeth Tannehill

Enclosures





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 10324-15 | 2. EPA Product Manager Noble | 3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name) Maquat TC76-10% | PM# 31 | |
| 5. Name and Address of Applicant (Include ZIP Code) Mason Chemical Company 721 W. Algonquin Rd. Arlington Heights, IL 60005 <input type="checkbox"/> Check if this is a new address | 6. Expedited Review. 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 type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application. |
| <input checked="" type="checkbox"/> Notification - Explain below. | <input type="checkbox"/> Other - Explain below. |

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

Addition of storage and disposal instructions for containers over 1 gallon.
 *This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.
 This is a Notification only and does not have a category nor requires a fee.
 Contact Info: Elizabeth (Liz) Tannehill, Liz@maquat.com voice:800-362-1855, fax:847-290-1625.

Section - III

1. Material This Product Will Be Packaged In:

| | | | |
|---|--|---|---|
| Child-Resistant Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 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) _____ |
| * Certification must be submitted | | If "Yes" Unit Packaging wgt. No. per container | If "Yes" Package wgt No. per container |

3. Location of Net Contents Information
 Label Container

4. Size(s) Retail Container
1 qt., 1 gal., 5 gal., 55 gal.

5. Location of Label Directions
 On Label

6. Manner in Which Label is Affixed to Product
 Lithograph Paper glued Stenciled Other _____

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

| | | |
|-----------------------------|-----------------------------|---|
| Name Elizabeth Tannehill | Title Regulatory Manager | Telephone No. (Include Area Code) 847-290-1621 |
|-----------------------------|-----------------------------|---|

Certification
 I certify that the statements I have made on this form and all attachments thereto 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.

2. Signature

3. Title
Regulatory Manager

4. Typed Name
Elizabeth Tannehill

5. Date
9/20/07

6. Date Application Received (Stamped)



MASON CHEMICAL COMPANY

"The Quaternary Specialists"

721 W. Algonquin Road | Arlington Heights, IL 60005 | 847-290-1621 or 800-362-1855

E.P.A. Reg. No. 10324-15

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

MAQUAT[®] TC76-10%

Net Contents:

Batch No:

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

DANGER. Corrosive. Causes irreversible eye damage and skin irritation. Harmful if swallowed or absorbed through skin. Do not get into eyes, on skin or on clothing. Wear protective eyewear (goggles, safety glasses or face shield), protective clothing, and rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. 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.

(For Swimming Pool Use and Decorative Fountains and Pools)

(For containers of 1 gallon or less)

STORAGE AND DISPOSAL

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

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

CONTAINER DISPOSAL: Do not reuse container (bottle, cans, jars). Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

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

STORAGE AND DISPOSAL (10324-45)

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

PESTICIDE STORAGE: Do not store on side. Avoid creasing or impacting of sidewalls. 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.

Maquat TC76-10% for Control of Algae and Algal Slime Growth in Swimming Pools, (Outside) Spas/Whirlpools/Hot Tub Baths, (Containerized) Decorative Fountains and Pools, Industrial and/or Commercial Recirculating Cooling Water Towers, Retort Water Systems. (*"Outside" description and the use site "Retort Water Systems" not for use in California. "Containerized" description must be used in California.*)

ACTIVE INGREDIENTS

Alkyl (60%C₁₄, 30%C₁₆, 5%C₁₂, 5%C₁₈) dimethyl benzyl ammonium chloride..... 9.96%

Dialkyl (60%C₁₄, 30%C₁₆, 5%C₁₂, 5%C₁₈) methyl benzyl ammonium chloride..... 0.04%

INERT INGREDIENTS: 90.00%

TOTAL:..... 100.00%

Weight: Approx. 8lbs./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.

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

(For Industrial Water Treatment Use, Industrial and/or Commercial Recirculating Cooling Water Towers and Recirculating Cooling Water Systems.)

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original containers and place in locked storage area. Keep from freezing. **SPILL OR LEAK PROCEDURES:** Small spills may be mopped up or flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained, the material then moved into containers and disposed of by approved methods for hazardous wastes.

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: Do not reuse empty container (bottle, cans, jars). 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.

GENERAL: Consult Federal, State, or local disposal authorities for approval of alternative procedures such as limited open burning.

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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 free and sparkling, clear 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 should 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 should 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 in Directions For Use).

DIRECTIONS FOR USE

SWIMMING POOLS

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.

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 the 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 manufacturers directions. Adjust pH between 7.2-7.6. Adjust chlorine residual to 1-3 ppm. In a chlorine treated pool, 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 stain and scale inhibitor to prevent staining of pool surface due to metals. Check chlorine residual and adjust to 1-3 ppm.

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 26 ounces per 10,000 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.

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 increases 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 stain 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 (26 ounces per 10,000 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)

When swimming pool season is over, add 32 ounces per 4,000 gallons (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.

For persistent algae or slime producing organisms add 1 quart of this product into the skimmer with the filter pump running. After one minute shut off pump and allow the system to remain off overnight. The following day, restart the filter pump and add 1 quart of this product to the pool. Run filter continuously for 24-48 hours brushing the sides and bottom of the pool frequently.

(Usage chart for one-gallon containers)

| Swimming Pool Capacity Gallon of Water | Initial Treatment | Maintenance Dose Booster Dose |
|--|-------------------|-------------------------------|
| 5,000 | 12.8 ounces | 3.2 ounces |
| 10,000 | 25.6 ounces | 6.4 ounces |
| 20,000 | 51.2 ounces | 12.8 ounces |
| 25,000 | 64.0 ounces | 16.0 ounces |
| 30,000 | 76.8 ounces | 19.2 ounces |
| 40,000 | 102.4 ounces | 25.6 ounces |
| 50,000 | 128.0 ounces | 32.0 ounces |

OR

(Usage chart for one-quart containers)

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

ALTERNATE WINTERIZATION METHOD (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 32 ounces per 4,000 gallons (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.

TO DETERMINE POOL CAPACITY

Rectangular Pools: Length (times) width (times) average depth (in feet) (times) .75 (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 or (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

INDUSTRIAL WATER TREATMENT

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 1/4 mile of either a public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited.

This product aids in the control of bacterial, fungal and algal slimes in industrial and commercial cooling towers.

INDUSTRIAL AND/OR COMMERCIAL RECIRCULATING COOLING WATER TOWERS, RETORT WATER SYSTEMS

(Note: Retort Water Systems use site not applicable in California.)

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 must 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 13.12 to 25.6 fluid ounces (20 to 40 ppm on an active quaternary basis) per 500 gallons of water in the system. Repeat until control is achieved.
Subsequent Dose: When microbial control is evident, add 6.65 to 19.25 fluid ounces (5 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 13.12 to 25.6 fluid ounces (20 to 40 ppm on an active quaternary basis) per 500 gallons of water in

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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 6.65 to 19.25 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 26.25 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 6.65 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 FRESH AND SEA 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 must be applied when the system is in jeopardy of being affected or after cleaning systems where efficacy is already impaired.
- 3. METHOD OF APPLICATIONS:**

a. INTERMITTENT OR SLUG METHOD

Initial Dose: When the system is noticeably fouled, apply 0.75 to 7.5 fluid ounces (0.6 to 6 ppm on an active quaternary basis) per 1,000 gallons of water based on system flow rates. The minimum treatment is 6 to 24 hours. Repeat until control is achieved. Deactivation must be conducted prior to discharge from the system by using bentonite clay at a minimum ratio of 5 ppm clay to 1ppm product.

Subsequent Dose: When microbial control is evident, add 3/8 to 3.75 fluid ounces (0.3 to 3 ppm on an active quaternary basis) per 1,000 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 cowlng 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.

b. CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, apply 3/8 to 3.75 fluid ounces (0.3 to 3 ppm on an active quaternary basis) per 1,000 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 1ppm product.

Subsequent Dose: Maintain this treatment by starting a continuous feed of 0.15 to 1 1/2 fluid ounces (0.1 to 1 ppm on an active quaternary basis) per 1,000 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 clay to 1 ppm product.

DO NOT APPLY THIS PRODUC MORE THAN 4 TIMES PER YEAR. DEACTIVATION: This product must be deactivated prior to discharge of the NPDES outfall.

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.
2. 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.
3. Allow to air dry and brush off dead algae. Repeat, if necessary, until no algae is visible.
4. 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.

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:

1. 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.
2. Add this product at any point that is convenient, such as the bowl, pool, or sump.
3. Add 32 ounces per 12,500 gallons or ratio thereof.

Weekly Maintenance Dose: Add one quart of this product to each 50,000 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 | 1/2 ounce, (1 Tablespoon) |
| 390 | 1 ounce | 1/4 ounce |
| 195 | 1/2 ounce, (1 Tablespoon) | 0.125 ounces |

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