

10324-21

10-12-2006

Page 1 of 7



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

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

OCT 12 2006

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

Subject: Marquat LC125-50% EU  
EPA Reg. No. 10324-21  
Application Dated: Sept 07, 2006  
Receipt Date: Sept 13, 2006

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**

- Addition of "Use site not applicable in California" statements.
- Corrections of typographical errors.
- Addition of qualifying statements in Swimming Pool section.

**Comments**

Based on a review of the material submitted, the following comments apply:  
This application for notification to make additions and corrections to the above mentioned items 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 (7510)10

**CONCURRENCES**

|         |             |  |  |  |  |  |  |
|---------|-------------|--|--|--|--|--|--|
| SI      | 7510        |  |  |  |  |  |  |
| SURNAME | Velma Noble |  |  |  |  |  |  |
| DATE    | 10-11-06    |  |  |  |  |  |  |

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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<br>10324-21   | 2. EPA Product Manager<br>Noble   | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>Maquat LC12S-50% EU  | PM#<br>31   |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Mason Chemical Company<br>721 W. Algonquin Rd.<br>Arlington Heights, IL 60005<br><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:<br>EPA Reg. No. _____<br>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.)

Correction of grammatical errors. Addition of California qualifying statements. Addition of qualifying directions.

"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 the 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.800-382-1655, fax.847-290-1625.

### Section - III

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| 1. Material This Product Will Be Packaged In:  |  |   |  | 2. Type of Container  |  |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No  | Unit Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Metal<br><input checked="" type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input type="checkbox"/> Paper<br><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<br><input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container   |  | 4. Size(s) Retail Container<br>1 qt., 1 gal., 5 gal., 55 gal.                                     |  | 5. Location of Label Directions<br><input checked="" type="checkbox"/> On Label |  |
| 6. Manner in Which Label is Affixed to Product<br><input checked="" type="checkbox"/> Lithograph<br><input checked="" type="checkbox"/> Paper glued<br><input checked="" type="checkbox"/> Stenciled |  |   |  | <input type="checkbox"/> Other _____  |  |

### Section - IV

|   |                                |   |
|---|--------------------------------|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)   |                                |   |
| Name<br>Elizabeth Tannehill   | Title<br>Regulatory Manager    | Telephone No. (Include Area Code)<br>847-290-1621 |
| Certification<br>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. |                                | 6. Date Application Received (Stamped)            |
| 2. Signature<br>  | 3. Title<br>Regulatory Manager |   |
| 4. Typed Name<br>Elizabeth Tannehill  | 5. Date<br>09/07/06            |   |



# MASON

September 7, 2006

Velma Noble  
Document Processing Desk  
Office of Pesticide Programs (7510P), PM31  
U.S. Environmental Protection Agency  
Room S4900, One Potomac Yard  
2777 S. Crystal Dr.  
Arlington, VA 22202

Subject: Maquat® LC12S-50%-EU, 10324-21  
Notification

Dear Velma,

We are respectfully submitting the following items to use as a notification on our label Maquat® LC12S-50%-EU, 10324-21:

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

When we recently went over this label, we noticed some errors that were not previously caught. Therefore, we are using this notification to correct these errors at this time. We are correcting the following:

1. Page 1 – Addition of semicolons in Storage and Disposal section.
2. Page 3 – Addition of qualifying California statement. Capitalized word at beginning of sentence.
3. Page 4 – Correction of misspelled word "water". Addition of qualifying statements in Swimming Pool section that were inadvertently left off during last review period. Correction of grammatical errors. Addition of equation to figure pool capacity.

We feel these are minor changes that can be taken care of with this notification. None of these changes affect how or where the label is used. Therefore, we request this notification be approved at this time.

**THIS IS A NOTIFICATION and does not require a fee.**

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



Key Label

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

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. 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. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequent skin contact may cause allergic reactions in some individuals.

**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.

*(Use the statement below for swimming pools only and less than 5 gallon containers.)*

**ENVIRONMENTAL HAZARD**

This product is toxic to fish.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not mix with soap, anionic detergents or oxidizers.

*(For Swimming Pool Use 1 gallon or less)*

**STORAGE AND DISPOSAL**

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

*(For Industrial Water Treatment Use, Industrial and for Commercial Recirculating Cooling Water Towers and Recirculating Cooling Water Systems, Auxillary water and waste water systems and water cooling systems, once through fresh water cooling systems, sap stains, wood preservatives.)*

**STORAGE AND DISPOSAL**

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

MAQUAT LC12S-50% EU for control of Algae, Algal, Fungal And Bacterial Slimes in Recirculating Water Systems, Auxillary Water and Waste Water Systems and Water Cooling Systems, Molluscs in Once Through Freshwater Cooling Systems, Mold, Mildew and Fungi in Sap Stains and Wood Preservatives.

**ACTIVE INGREDIENTS:**

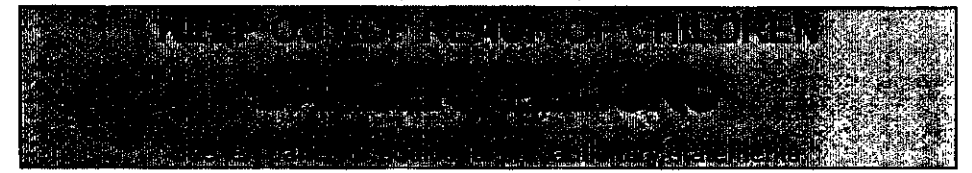
n-Alkyl (67% C<sub>12</sub>, 25% C<sub>14</sub>, 7% C<sub>16</sub>, 1% C<sub>18</sub>) ..... 50.0%  
dimethyl benzyl ammonium chloride..... 50.0%

**INERT INGREDIENTS:**

..... 50.0%

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

Weight: Approx. 8lbs./gallon



**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.

427

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

### SAP STAIN CONTROL

For control of mold and fungus on green or freshly cut lumber. May be used in a dip or spray application. Before use, dilute at a rate of 25-100 gallons of water per gallon of this product. Seasonal variation in storage and shipping conditions, species and condition of wood should be considered in selection of end use concentration. For effective inhibition of mold and fungus, lumber and logs must be dipped or sprayed in a manner that ensures that all surfaces are uniformly treated.

For best results, green wood should be treated immediately, at least within twenty-four hours after cutting or sawing. Mold and fungus growth begins immediately after cutting so delayed treatment is much less effective and requires increased chemical concentration. Green, untreated lumber should not be used for stickers.

Freshly treated lumber should not be allowed to remain unprotected in heavy rains. Dip tanks and drip aprons must be roofed, paved and drained to prevent dilution and loss of the anti-stain solution.

### WOOD PRESERVATIVES

When used as directed, this product will protect treated wood articles from the destructive attack of fungi, mold, mildew and both Reticulitermes and Formosan species of termites. Treatment can be done by pressure, double vacuum, dip, brush and/or spray, although dip, brush and spray cannot be used for protection against termites. Wood articles that will be protected by these treatments would include millwork, construction timbers, decking, wood shingles, posts and other articles to be used in above ground applications.

OR

This product will protect treated wood articles from the destructive attack of fungi, mold or mildew. Treatment can be done by pressure or double vacuum. Wood articles that will be protected by these treatments would include millwork, construction timbers, decking, wood shingles, posts and other articles to be used in above ground applications.

Treatment can be done by brush or spray for wood shingle applications, and by pressure, double vacuum or dip method for other wood products. Wood articles that will be protected by these treatments would include millwork, construction timbers, decking, wood shingles, and posts.

This product can be used in combination with other EPA registered organic and inorganic wood preservatives or it can be used alone.

### MAQUAT LC12S-50% EU

Dilute this product in either water or mineral spirits (or Sentry GoldSeal™) to produce a 0.5% to 3.0% active quaternary ammonium compound solution.

| Percent Active Quat Solution | Ounces of product per gallon |
|------------------------------|------------------------------|
| 0.5                          | 1.28                         |
| 1.0                          | 2.56                         |
| 1.5                          | 3.85                         |
| 2.0                          | 5.12                         |
| 2.5                          | 6.4                          |
| 3.0                          | 7.68                         |

To find the ounces of this product per gallon for other dilutions take the percent active desired and divide by 0.3906.

### MAQUAT LC12S-50% EU AND COPPER COMPOUNDS

Mix this product with water and either (ACQ-C2 EPA Reg. No. 10465-36 or ACQ-C EPA Reg. No. 10465-33) (NW 100-C, EPA Reg. No. 3008-87 or NW 200-C, EPA Reg. No. 10465-33-3008). Refer to the product labels for ACQ-C and ACQ-C2 (NW 100-C and NW 200-C) for precise mixing instructions. This product may only be used in combination with copper compounds in pressure treatment applications.

### MAQUAT LC12S-50% EU AND BORATES

Mix this product and either (Disodium Octaborate Tetrahydrate) Wood Bor, EPA Reg. No. 3008-61, Envirotech Insecticide, EPA No. 65705-1, Timbersaver, EPA Reg. No. 71916-1, TimberSaver PT, EPA Reg. No. 71916-1-10465, Tim-Bor, EPA Reg. No. 1624-39, or Cellu-Treat DOT Wood Preservative, EPA Reg. No. 64405-8 in water. Refer to the product labels for precise mixing. This product may only be used in combination with the above borates in pressure treatment or dip treatment applications.

Mix this product and Lum-Bor, EPA Reg. No. 19713-286 in water. Refer to the product label for precise mixing instructions. This product may only be used in combination with the above borate in brush or spray applications.

Mix this product and BORA-CARE, EPA Reg. No. 64405-1 in water. Refer to the product label for precise mixing instructions. This product may only be used in combination with the above borate in dip treatment applications.

### MAQUAT LC12S-50% EU AND PROPICONAZOLE

Mix this product with Woodlife P, EPA Reg. No. 1409-65 and dilute with either water, mineral spirits or other light organic solvent to produce a 0.5 to 3.0% quaternary ammonium compound solution. Follow the instructions on the Woodlife P label for the appropriate concentration of propiconazole. PLEASE NOTE THAT THIS FORMULATION CAN ONLY BE USED FOR DIP TREATMENT.

### PRESSURE TREATMENT

Place the wood article to be treated into the pressure cylinder and seal unit. Treat the wooden articles using the pressure treatment procedures consistent with the equipment being used and standard treatment practices. Treatment conditions should be such as to produce a 0.1 to 0.6 lb./cu. foot retention in the treatment article. Such treated wood is to be used for above ground uses only.

### DOUBLE VACUUM

Stack the wooden articles to be treated in the treatment vessel so that the preservative solution will have access to all sides of the articles. Seal the vessel. Reduce the pressure within the vessel to -10 in. for 5 minutes. Cover all the articles with preservative solution. Allow the pressure to return to atmospheric conditions and discharge the preservative solution. Reduce the pressure to -20 in. and maintain for 20 minutes. Allow the pressure to return to atmospheric and remove treated wood articles. Treatment conditions should be used as to produce a 0.1 to 0.6 lbs/cu. ft retention of ADBAC in the treated article. Wood treated to this retention for above ground use only.

### DIP TREATMENT

Stack the wood to be treated on a suitable holder and convey the stack into the treating solution making sure the stack is completely immersed. Dip times should range from 30 seconds (individual pieces) up to 30 minutes (bundled wooden articles). Use a concentration of 0.5 to 3.0% active quaternary ammonium compound. The concentration should be customized to the degree of sap stain protection desired, which should be determined by an independent test on the intended species of wood.

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**PERSONAL PROTECTION EQUIPMENT FOR PRESSURE TREATMENT, DOUBLE VACUUM AND DIP TREATMENT**

Applicators must wear gloves, which are chemical-resistant (such as nitrile or butyl) in all situations where dermal contact is expected (i.e. handling freshly treated wood and manually opening cylinder doors.) Individuals who enter pressure treatment cylinders and other related equipment that are contaminated with the wood treatment solution (e.g. cylinders that are in operation or are not free of all treatment solution) must wear coveralls over a long sleeved shirt and long pants, socks, chemical-resistant footwear, and protective eyewear. Federal, State and local confined space entry procedures need to be taken.

Applicators must not eat, drink or use tobacco products during those parts of the applications process that may expose them to the wood treatment formulation (e.g. manually opening/closing cylinder doors, moving trams out of cylinders, mixing chemicals, handling freshly treated wood).

Wash thoroughly after skin contact and before eating, drinking, use of tobacco products or using restrooms.

Protective clothing must be changed when it shows signs of contamination. Applicators must leave protective clothing and work shoes or boots and equipment at the plant. Worn out protective clothing and work shoes or boots must be left at the plant and disposed of in a manner approved for pesticide disposal and in accordance with State and Federal regulations.

**BRUSH OR SPRAY**

A 0.5% to 3.0% active solution with water (or Sentry GoldSeal™) may be applied by brush or spray for use on wood shingles or shake roofs and siding on existing homes by commercial applicators and on interior construction products and surfaces such as lumber, concrete, sheetrock, wallboard, block and steel. Low-pressure equipment is recommended for spray applications. A moderately fine spray, not an aerosol or fog, generally provides the best coverage at practical product concentrations. Apply only to point of runoff. To make a 0.5% to 3.0% active solution, use the following table:

| Percent Active Quat Solution | Ounces of product per gallon |
|------------------------------|------------------------------|
| 0.5                          | 1.28                         |
| 1.0                          | 2.56                         |
| 1.5                          | 3.85                         |
| 2.0                          | 5.12                         |
| 2.5                          | 6.40                         |
| 3.0                          | 7.68                         |

To find the ounces of this product per gallon for other dilutions take the percent active desired and divide by 0.3906

**PERSONAL PROTECTION EQUIPMENT FOR BRUSH AND SPRAY APPLICATIONS**

Applicators must wear gloves which are chemical-resistant (such as nitrile or butyl). Applicators must also wear coveralls over a long sleeved shirt and long pants, socks, chemical-resistant footwear, and protective eyewear. Applicator must not eat, drink, or use tobacco during the application process. Use with adequate ventilation. Mist or vapor generated by spraying this product may be harmful if inhaled. Wash thoroughly after skin contact and before eating, drinking, use of tobacco products or using restrooms. Protective clothing must be changed when it shows signs of contamination. Brush/Spray treatment may require frequent changing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated. Do not reuse them.

Follow manufacturers instructions for cleaning/maintaining protective equipment. If no such instructions exist for washables, use detergent and hot water. Keep and wash protective equipment separate from other laundry.

Worn out protective clothing and work shoes or boots must be disposed of in a manner approved for pesticide disposal and in accordance with State and Federal regulations.

**INDUSTRIAL WATER TREATMENT**

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.

This product aids in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water systems, industrial and commercial cooling towers, influent systems such as flow through filters and lagoons, industrial water scrubbing systems and brewery pasteurizers.

**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 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 5.25 to 10.25 fluid ounces (20 to 40 ppm on an active quaternary basis) per 1000 gallons of water in the system. Repeat until control is achieved.  
**Subsequent Dose:** When microbial control is evident, add 1.33 to 3.85 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 5.25 to 10.25 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 1.33 to 3.85 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 5.25 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 1.33 fluid ounces (5 ppm on an active quaternary basis) per 1000

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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 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) Wear safety glasses, rubber gloves and impervious apron.
  - b) Add product directly from drum or add the product at a point where it will be mixed uniformly.
  - c) To reduce foaming, mix 2 parts of water to 1 part of this product.
  - d) 0.15 to 1.5 fluid ounces (1-10 ppm on an active quaternary basis) per thousand gallons.
  - e) Do not discharge without performing proper deactivation. To perform deactivation use Bentonite Clay. The minimum ration to be used is 6 ppm of clay to 1 ppm of product.
  - f) Do not use product more than 4 times per year.
  - g) Treatment time cannot exceed 120 hours/application.
  - h) Avoid oxidizers and reducing agents. Product is cationic and should not be mixed with soap or anionic surfactants.

#### AUXILLARY SERVICE WATER AND WASTE WATER SYSTEM

This product is effective for the control of odor-forming and slime-forming bacterial, fungi and algae in auxillary service water systems such as fire protection systems and pump or screen bays, water waste systems such as storage tanks, storage piles, associated piping, setting ponds or lagoons, transport spillways or canals and disposed wells.

This product may be added to the system by slug or intermittent feed or by spraying onto a waste pile. The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination. Additions to water systems should be made during the pumping operation and as close to the pump as possible to ensure adequate mixing.

#### INTERMITTENT OR SLUG METHOD

When this treatment is required, add this product at the rate of 5.25 to 10.25 ounces per 1000 gallons of water already in the system, or being added to the system, for 4 to 8 hours, 1 to 4 times per week or as needed to achieve the desired level of control. When control is obtained, add this product at the rate of 1.33 to 3.85 ounces per 1000 gallons of water in the system.

#### SWIMMING POOLS

##### IMPORTANT NOTES

1. Do not allow swimming in pool for at least 15 minutes after this product has been applied.
2. Always apply this and other pool treatment chemicals separately. Never combine them.
3. Sunlight, rainfall, temperature, number of swimmers and frequency of pool use, all affect the rate at which unsanitary pool water conditions develop. Adjust your pool cleaning and maintenance functions accordingly.

##### BEFORE YOU BEGIN

1. Make sure all pool equipment is working properly including pump, filter, skimmer and heater. Allow the filter to run for at least 6 hours after adding algaecide.

2. Backwash filter following normal procedure for your pool's filter.
3. Check water pH (acidity/alkalinity balance) with a Test Kit, following label direction. Desired pH range is between 7.2-7.6. If necessary, adjust pH by adding pH decreaser to lower pH or pH increaser to raise pH.
4. Recheck pH and maintain it between 7.2-7.6 for at least 6 hours before adding this product.
5. 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, swimmers should not be allowed into the water. (10324-61)

#### INITIAL APPLICATION FOR SWIMMING POOLS

1. Backwash the filter thoroughly. (10324-61)
2. Vacuum algae debris and thoroughly brush pool.
3. Add 26 ounces of this product to each 50,000 gallons of water (5.2 ounces per 10,000 gallons) or ratio thereof. Add this product directly into pool by pouring around entire outside perimeter of pool.
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 6.5 ounces of this product in 50,000 gallons of water every 3-5 days. Add this product directly into pool by pouring around entire outside perimeter of pool.

#### BOOSTER APPLICATION

6.5 ounces of this product in 50,000 gallons of water after a heavy or prolonged rainfall or when there is a heavy bathing load. Add this product directly into pool by pouring around entire outside perimeter of pool.

If algae growth is noticeable, apply initial dose.

**THE ABOVE DIRECTIONS SHOULD BE FOLLOWED EVEN WHEN THE POOL IS NOT IN USE.**

#### TO DETERMINE POOL CAPACITY (10324-61)

**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

787