

10324 193

7/25/2012

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Ms Elizabeth Tannehill
Regulatory Manager
Mason Chemical Company
721 W Algonquin Road
Arlington Heights IL 60005

JUL 25 2012

Subject MAQUAT® LC12S 40% LF
EPA Registration No 10324 193
Application Date April 24 2012
EPA Received Date May 02 2012

Dear Ms Tannehill

The following amendments submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA) Section 3(c)7(a) as amended is acceptable with comments

Proposed Amendments

- Revised per EPA letter dated 4/11/12 to correct and add the appropriate Storage and Disposal language

Labeling Comments

Revise the For Use on Refillable Containers with Commercial/Industrial Uses as follows

Add the following statement to the section beginning Cleaning the container before final disposal and ending is the responsibility of the refiller Add *When empty return to point of sale for refilling*

Add the following statements to both the Container Handling/Residue Removal Instructions for all refillable containers except fixed tank containers as well as fixed tanks Revise to begin Refillable container *Refill this container with pesticide only Do not reuse this container for any other purpose* To clean the container

Add the following statement to both the Container Handling/Residue Removal Instructions for all refillable containers except fixed tank containers as well as fixed tanks Revise to end as follows ~~*Puncture or destroy of in a sanitary landfill or by other*~~

SYMBOL	7510 P							
SURNAME	J. F. Woods							
DATE	7/20/12							

Add the following statements to the Container Handling/Residue Removal Instructions for fixed tanks Revise to include *application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds Drain for 10 seconds after the flow begins to drip Drain rinsate into application*

General Comments

A stamped copy of the acceptable labeling is enclosed Submit one (1) copy of your final printed labeling before distributing or selling the product bearing the revised labeling Should you have any questions concerning this letter please contact Lorena Rivas at (703) 305 5027 or Velma Nobel at (703) 308 6233

Sincerely



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

Stamped label

MASON CHEMICAL COMPANY
The Quaternary Specialists

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

EPA Reg No 10324 193
EPA Est No 10324 IL 1

MAQUAT® LC12S-40% LF

Net Contents Batch No

**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 and rubber gloves and protective clothing when handling and before eating drinking chewing gum using tobacco or using the toilet Wash thoroughly with soap and water after handling Remove contaminated clothing and wash clothing before reuse

(If container is larger than 5 gallons the following statement must appear on the label)

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish and aquatic invertebrates 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

(For containers up to and including 5 gallons use the following environmental hazard)

ENVIRONMENTAL HAZARD

This product is toxic to fish

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame or in car
Do not mix with oxidizers anionic soaps and detergents

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 Control of Algae and Algal Slime Growth in Swimming Pools (Outside) Spas/Whirlpools/Hot Tub Baths (Containerized) Decorative Fountains and Pools and bird baths (Containerized Outside description and the use site Retort Water Systems not for use in California)

For Control of Algae and Algae Slime Growth in Industrial and/or Commercial Recirculating Cooling Water Towers Retort Water Systems Once Through Water Cooling Systems
Low foaming algaecide

(Product of USA) (Made in the USA)

ACTIVE INGREDIENTS

n Alkyl (67%C₁₂ 25%C₁₄ 7%C₁₆ 1%C₁₈) dimethyl benzyl ammonium chloride

INERT INGREDIENTS

40 C
60.0%
100.0%

Weight Approx 8 lbs /gallon

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

See left (back) (side) (right) panel (of label) (below) for additional precautionary statements and first aid statements

(Note to Reviewer This information has been verified per DOT regulations It is NOT required to be on the label but is being requested by a customer)

TRANSPORTATION INFORMATION

DOT Hazard Class Non Corrosive
DOT Proper Shipping Name Not applicable

**PELIGRO SI NO PUEDE LEER EN INGLES PREGUNTE A SU SUPERVI
SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR
CON ESTE PRODUCTO**

**DANGER IF YOU CANNOT READ ENGLISH ASK YOUR SUPERVISOR TO
EXPLAIN THE APPROPRIATE PRECAUTIONS FOR USE BEFORE WORKING WITH
THIS PRODUCT**
With COMMENTS

(Manufacturing and/or Lot no Date)
in EPA Letter Dated.

JUL 25 2012

Under the Federal Insecticide
Fungicide and Rodenticide Act as
amended for the pesticide
registered under EPA Reg No 10324-193

MARKETING CLAIMS

40% Concentration

Kills and prevents all type of Algae

This product is a non metallic low foaming low odor pool algaecide that kills most types and strains of algae and is not affected by pH levels

Non staining formula is great for all pool types and will not discolor hair
A great value

Premium quality non metallic low foaming pH neutral algaesat and algaecide it is very stable and highly effective for controlling a broad spectrum of algae and can be used all season as well as for winterizing

Non metallic low foaming algaecide for preventing and eliminating mustard black and other algae species It can be used all season and is excellent for winterizing

This product is 40% active quat It is highly effective for controlling slimy green algae A great product when used for winterizing It is non metallic long lasting pH neutral and applied directly to the pool

Can be used in conjunction with super chlornation

Recommended for use with well water

Kills all types of stubborn algae including black mustard pink and green It is a low foaming non staining formula which also significantly clarifies pool water

This product will not stain surfaces or leave behind any residue

Helps eliminate clogging of algae on the filter which can decrease filter effectiveness and require more backwashing or medium replacement

Your pool will use less chlorine Algae create a chlorine demand in the water for itself actually consuming chlorine that must be working on other contaminants

Will prevent the growth of most algae during the off season winter months when pool is not in use

Is compatible with those chemicals normally used to treat pools and spas and is effective at both acid and alkaline pH

Can be used in pools and spas treated with chlorine chemicals and may reduce the amount of these chemicals normally required

40 % Strength

Effective winterizer

Ideal for treating all types of algae

Protects against algal growth

Effective treatment against green black and yellow algae

Low foaming formula

No pH adjustment necessary before use

Protects against green black and yellow algae

Prevents green black yellow algae

Controls green black and yellow algae

Treats green black and yellow algae

Good for all pool surfaces

This product when used regularly will kill and control the growth of (green) algae for complete pool enjoyment

Chlorine Free

This product is compatible with many (most) swimming pool chemicals when use as directed It is not harmful to the metal plastic concrete paint plaster or the tile surfaces of the swimming pool

This product when used as directed will help improve the appearance and cleanliness of the swimming pool water

This product helps to inhibit the growth of unsightly algae

This product will not lose its effectiveness or strength on your shelf in storage (over winter)

Requires no special equipment for treating swimming pool water

When this product is used as directed it is effective against Chlorella pyrenoidosa (green Algae) Phormidium luridum (black algae) Lyngbya versicolor (blue green algae) and other swimming pool algae and slime producing microorganisms

This product is efficient and stable in use dilution

This product keeps pool water free and sparkling clear of visible green and blue gr 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 algal formation while keeping your pool water sparkling clear This product protects unattended pool when you're away (refer to Vacation Treatment section u r Directions For Use)

WATER TREATMENT 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

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

ACCEPTED
with COMMENTS
in EPA Letter Dated

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

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 algal 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 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 degradable 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 swimmers must not be allowed into the water.

1 Dosages - For pools which are free of algae or contain algae growth

Initial Application Backwash the filter thoroughly. Vacuum algae debris (to waste) and thoroughly brush pool. For an initial application pour directly into pool at a rate of 19.2 ounces of this product per 15,000 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. Vacuum pool after 24 hours to remove dead algae. If algae is still visible repeat dose as necessary until pool is free of visible algae. Once algae are under control clean filter and return to normal operation. Recirculation accomplished by running the filter will assure rapid dispersion of product. *(Note to reviewer: The term to waste is not for use in California.)*

Maintenance Pour directly into pool at a rate of 1 quart per 100,000 gallons of water (0.5 ppm) every 5-7 days depending on weather and use factors. After each rain of consequence add 1 quart per 100,000 gallons of water. Even when the pool may not be in use for periods of time algaecide additions must be made since a heavy accumulation of algae growth is difficult to remove. The appropriate amount of this product must 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.

OR

INITIAL APPLICATION *(Note to reviewer: The term to waste is not for use in California.)*
Backwash the filter thoroughly.

1 Vacuum algae debris (to waste) and thoroughly brush pool.

2 Add 32 ounces of this product to each 50,000 gallons of water (6.4 ounces per 10,000 gallons) (one 3.2 fluid ounce packet per 5,000 gallons of pool water) or ratio thereof.

3 Vacuum pool after 24 hours to remove dead algae.

4 If algae are still visible repeat dose (steps 3 & 4) as necessary until pool is free of visible algae.

5 Once algae are under control clean filter and return to normal operation.

MAINTENANCE APPLICATION

Add 8 ounces of this product in 50,000 gallons of water (one 3.2 fluid ounce packet per 20,000 gallons of pool water) every 3-5 days or as needed to maintain 0.5 ppm active.

BOOSTER APPLICATION

Add 8 ounces of this product in 50,000 gallons of water (one 3.2 fluid ounce packet per 20,000 gallons of pool 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 algal growth is noticeable apply initial dose.

VACATION TREATMENT

When you are going to be away for one week or more add 6.4 ounces of this product per 10,000 gallons of water (one 3.2 fluid ounce packet per 5,000 gallons of pool 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, Baquacil 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 algal 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 manufacturer's 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 swimmers must not be allowed into the water.

INITIAL APPLICATION *(Note to reviewer: The term to waste is not for use in California.)*
1 Backwash the filter thoroughly.

2 Vacuum algal debris (to waste) and thoroughly brush pool.

3 Add 32 ounces of this product to each 50,000 gallons of water (6.4 ounces per 10,000 gallons) (one 3.2 fluid ounce packet per 5,000 gallons of pool water) or ratio thereof.

4 Vacuum pool after 24 hours to remove dead algae.

5 If algae are 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 8 ounces of this product in 50,000 gallons of water (one 3.2 fluid ounce packet per 20,000 gallons of pool water) every 3-5 days or as needed to maintain 0.5 ppm active.

BOOSTER APPLICATION

Add 8 ounces of this product in 50,000 gallons of water (one 3.2 fluid ounce packet per 20,000 gallons of pool 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 algal growth is noticeable apply initial dose.

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VACATION TREATMENT

When you are going to be away for one week or more add 6.4 ounces of this product per 10,000 gallons of water (one 3.2 fluid ounce packet per 5,000 gallons of pool 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 for use in California)

When swimming pool season is over add 32 ounces of this product per 16,000 gallons (2 ounces per 1,000 gallons) (or ratio thereof) of water left in pool. This dose helps provide a measure of control of algal 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 8 ounces 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 8 ounces 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	3.2 ounces	0.8 ounces
10 000	6.4 ounces	1.6 ounces
20 000	12.8 ounces	3.2 ounces
25 000	16.0 ounces	4.0 ounces
30 000	19.2 ounces	4.8 ounces
40 000	25.6 ounces	6.4 ounces
50 000	32.0 ounces	8.0 ounces

OR

(Usage chart for one quart containers)

Swimming Pool Capacity Gallon of Water	Initial Treatment	Maintenance Dose Booster Dose
5 000	3.2 ounces	0.8 ounces
10 000	6.4 ounces	1.6 ounces

ACCEPTED

WINTERIZATION METHOD (not for use in California)
This product may be used with the following pool chemical letter dated _____ with COMMENTS _____
package _____
_____ form a winterization package _____
JUL 25 2024

Directions

- 1 Add a maintenance dose of chlorine or oxygen shock (under the Federal Insecticide, Fungicide, and Rodenticide Act as amended by the EPA) to the pool.
- 2 Top up BioGuard Softswim System Baquacil or other algaecide systems to 50 ppm.
- 3 Add 20 ounces of this product per 10,000 gallons (8 ounces per 4,000) (or ratio thereof) of water left in pool. This dose helps provide a measure of control of algal 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) 7.5 (equals) gallons

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

OTHER _____

DIRECTIONS FOR USE IN (OUTSIDE) SPAS/WHIRLPOOLS/HOT TUBS

(Outside description not for use in California)

Initial Dose Add 3.2 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 0.8 ounces of this product per 5,000 gallons of water. Maintenance dose must 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.

CONTROLLING ALGAL GROWTH

BIRD BATHS Do not use with fish. This product is toxic to fish and aquatic invertebrates. Do not use this product when fish are present. Clean to remove algal growth prior to filling birdbath. Then spray all exposed surfaces with a solution of 1/4 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 and aquatic invertebrates. DO NOT use this product when fish are present.

Initial Dose

- 1 Drain Bird Bath
- 2 Wipe mop or spray all exposed surfaces using 1/4 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 are visible.
- 3 Refill Bird Bath with fresh water.

Maintenance Dose Repeat initial treatment when algal growth returns.

ALGAL CONTROL ON WALKWAYS For heavy infestations spray or swab a solution of 1/4 ounce of this product per gallon of water. Let stand for an hour or more, brush and wash away dead algae. Soak area again with the solution. Do not allow to air dry on the surface and repeat application when algal growth returns.

INSTRUCTIONS FOR (CONTAINERIZED) DECORATIVE FOUNTAINS AND POOLS

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

This product is toxic to fish and aquatic invertebrates. 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 of this product to each 50,000 gallons (8 ounces per 12,500 gallons) or ratio thereof.

Weekly Maintenance Dose Add 8 ounces 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 Fountains or Pools Capacity in gallons of water	Initial Treatment	Maintenance Dose Booster Dose
50 000	32 ounces	8 ounces
25 000	16 ounces	4 ounces
12 500	8 ounces	2 ounces
6 250	4 ounces	1 ounces
3 125	2 ounces	½ ounce (1 Tablespoon)
1 562	1 ounces	¼ ounce
781	0 5 ounces	0 125 ounces
390	¼ ounce	0 0625 ounces
195	0 125 ounces	0 03125 ounces

INDUSTRIAL WATER TREATMENT

Do not use water containing residues from use of this product to irrigate crops for food or feed

(Note to Reviewer This paragraph will be used only for Once Through Cooling Systems)
 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 AND RETORT WATER SYSTEMS

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

- 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
- 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

Method Of Application

a INTERMITTENT OR SLUG METHOD

Initial Dose When the system is noticeably fouled apply 6 4 to 12 8 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 6 to 4 8 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

Under the Federal Insecticide Fungicide and Rodenticide Act amended for the pesticide registered under EPA Reg No. 10324-193

b MODIFIED INTERMITTENT METHOD

Initial Dose When the system is noticeable fouled apply 6 4 to 12 8 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 6 to 4 8 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 6 4 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 6 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

- 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
- 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

Method Of Applications

a INTERMITTENT OR SLUG METHOD

Initial Dose When the system is noticeably fouled apply 0 32 to 3 2 fluid ounces (1 to 10 ppm on an active quaternary basis) per 1000 gallons of water based on system flow rates The minimum treatment must be 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 1 ppm product

Subsequent Dose When microbial control is evident add 0 16 to 1 6 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 must be tied to an in plant monitoring program for macro fouling 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

TO DEACTIVATE Use bentonite clay at the minimum ratio of 6 ppm clay to 1 p product Deactivation must occur prior to discharge of the NPDES outfall Do not apply this product more than 4 times a year

AUXILIARY SERVICE WATER AND WASTE WATER SYSTEM

This product is effective for the control of odor forming and slime forming bacterial fungi and algae in auxiliary 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 must 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 6 4 to 12 8 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 6 to 4 8 ounces per 1000 gallons of water in the system

(Note to reviewer The title and first statement of this section must appear on every label followed by the appropriate Storage and Disposal section Brackets [] indicate that one option within the brackets MUST be used in the final label text Each option within the brackets is enclosed in a set of parenthesis (). All Notes are only for reviewers and will not be included on label)

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 Offer for recycling if available or wrap and discard in trash (or recycle)

(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 use according to the 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 Non refillable 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

(FOR USE ON NON REFILLABLE CONTAINERS WITH COMMERCIAL/INDUSTRIAL USES)
(Note For use on containers of 5 gallons or less)

PESTICIDE STORAGE Store only in original container Keep from freezing If a leaky container must be contained within another mark the outer container to identify the contents Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use

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/RESIDUE REMOVAL Non refillable container Do not reuse empty container Triple rinse as follows Fill container / full with water and recap Shake for 10 seconds Follow Pesticide Disposal instructions for rinsate disposal Drain for 10 seconds after the flow begins to drip Repeat procedure two more times Wrap container and put in trash or offer for recycling or reconditioning if not available puncture and dispose of in a sanitary landfill

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 and disposed of by approved methods for hazardous wastes material then moved into containers and disposed of by approved methods for hazardous wastes

(FOR USE ON NON REFILLABLE CONTAINERS WITH COMMERCIAL/INDUSTRIAL USES)
(Note For use on containers greater than 5 gallons)

PESTICIDE STORAGE Open dumping is prohibited Store only in original container Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use

identify the contents Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use

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 (Note Only one of the following Container Disposal paragraphs will be used depending on packaging type)

Non refillable container Do not reuse this container to hold materials other than pesticides or diluted pesticides (rinsate) Offer for recycling if available or puncture and dispose in a sanitary landfill or by other procedures approved by state and local authorities If rinsate cannot be used follow pesticide disposal instructions

(Note Several of our customers packaging options are sealed containers or bottles designed to reduce worker exposure to the concentrate None of these can be triple rinsed because they are closed sealed containers The following text will be used on these non refillable sealed container types only)

Nonrefillable container Do not reuse or refill this container Wrap empty container and put in trash

RESIDUE REMOVAL INSTRUCTIONS To clean the container before final disposal empty the remaining contents from this container into [(application equipment) (a mix tank)] Fill the container / full with water Replace and tighten closures [(Tip container on its side and rc back and forth ensuring at least one complete revolution for 30 seconds then stand the container on its end and tip it back and forth several times Turn the container over onto its other end and tip it back and forth several times) (Agitate vigorously or recirculate water for 30 seconds)] Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Follow Pesticide Disposal instructions for rinsate disposal Repeat this procedure two more times

(FOR USE ON REFILLABLE CONTAINERS WITH COMMERCIAL/INDUSTRIAL USES)
(Note For use on all refillable containers)

Cleaning the container before final disposal is the responsibility of the person disposing of the container Cleaning before refilling is the responsibility of the refiller

PESTICIDE STORAGE Open dumping is prohibited Store only in original container If a leaky container must be contained within another mark the outer container to identify the contents Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use

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

(For use on all refillable containers except fixed tank containers)

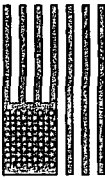
CONTAINER HANDLING/RESIDUE REMOVAL INSTRUCTIONS Refillable container To clean the container before final disposal empty the remaining contents from this container [(application equipment) (a mix tank)] Fill the container / full with water Replace and tighten closures [(Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 seconds then stand the container on its end and tip it back and forth several times Turn the container over onto its other end and tip it back and forth several times) (Agitate vigorously or recirculate water for 30 seconds)] Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure two more times Follow Pesticide Disposal instructions for rinsate disposal

(Note To be used on fixed tanks only)

CONTAINER HANDLING/RESIDUE REMOVAL INSTRUCTIONS Refillable container To clean the container before final disposal empty the remaining contents from this container into application equipment or a mix tank Drain rinsate into application equipment and dispose of according to Pesticide Disposal instructions Triple rinse container (or equivalent) promptly after emptying Continue to drain for 10 seconds after the flow ends Repeat this procedure two more times

10324-193

Made in USA



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



ACCEPTED
with COMMENTS
in EPA Letter Dated

JUL 25 2021

Under the Federal Insecticide
and Fungicide Act as
amended for the pesticide
and under EPA Reg No

10324-193