

69681-19

UNITED STATES

08-03-2011

AGENCY

1/14

AUG 3 2011

Judy Eldem
AllChem Performance Products, LP
416 South Main Street
Corsicana, TX 75110

SUBJECT: Clor Mor Algaecide 10
EPA Registration Number: 69681-19
Application Dated: June 27, 2011
Receipt Date: July 5, 2011

Dear Ms. Eldem:

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

- Updating Storage and Disposal Section per PR Notice 2007-4.

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

Note

Correct the typo in the second Active Ingredient name from "Dialkly" to *Dialkyl*.

General Comments

Should you have any questions concerning this letter, please contact Emilia Oiguenblik at (703) 347-0109 or Velma Noble at (703) 308-6233.

Sincerely,

for Duvalle Copeland
Velma Noble

Product Manager (31)

CONCURRENT Regulatory Management Branch I

Antimicrobials Division (7510P)

SYMBOL							
SURNAME	EO						
DATE	08/03/11						



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 69681-19	2. EPA Product Manager Drusilla Copeland	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Clor Mor Algaecide 10	PM#	
5. Name and Address of Applicant (Include ZIP Code) AllChem Performance Products 416 S. Main Street Corsicana, TX 75110 <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

Amendment - Explain below.

Resubmission in response to Agency letter dated _____

Notification - Explain below.

Final printed labels in response to Agency letter dated _____

"Me Too" Application.

Other - Explain below.

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

"Notification of label change per PR Notice 2007-4 - Updated Storage Stability Section only."

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container	<input type="checkbox"/> Glass
					<input type="checkbox"/> Paper
					<input type="checkbox"/> Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> on label	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input 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 Judy Eldem	Title Regulatory Manager	Telephone No. (Include Area Code) (352) 333-7357
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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	6. Date Application Received (Stamped) _____ _____ _____ _____ _____
4. Typed Name Judy Eldem	5. Date 27-JUN-11	

{All text in brackets [xxx] is optional and may or may not be included on a final label.}
{All text in braces {xxx} is administrative and will not appear on a final label.}

CLOR MOR AGLAECIDE 10

{Optional marketing statements for Swimming Pools}
[Control of Algae and Algae Slime Growth]
[For] [In]
[Swimming Pools]
[Decorative Fountains and Pools]
[Spas, Hot Tubs, Whirlpools]

{Optional marketing statements for non-pool use}
[Control of Algae and Algae Slime Growth]
[For] [In]
[Industrial and/or Commercial Recirculating Cooling Water Towers]
[Retort Water Systems]
[Recirculating Cooling Water Systems]

NOTIFICATION
Date Reviewed: _____
Reviewed By: _____

ACTIVE INGREDIENTS:

Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chloride	9.96%
Dialkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) menthyl benzyl ammonium chloride	0.04%
OTHER INGREDIENTS	90.00%
TOTAL:	100.00%

[Weight: Approx. 8 lbs/gallon]

**KEEP OUT OF REACH OF CHILDREN
DANGER**

See [side] [back] panel for additional Precautionary Statements.

Net Weight:

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

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 INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further 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.

{All text in brackets [xxx] is optional and may or may not be included on a final label.}
{All text in braces {xxx} is administrative and will not appear on a final label.}

CLOR MOR AGLAECIDE 10

{Optional marketing statements for Swimming Pools}
[Control of Algae and Algae Slime Growth]
[For] [In]
[Swimming Pools]
[Decorative Fountains and Pools]
[Spas, Hot Tubs, Whirlpools]

{Optional marketing statements for non-pool use}
[Control of Algae and Algae Slime Growth]
[For] [In]
[Industrial and/or Commercial Recirculating Cooling Water Towers]
[Retort Water Systems]
[Recirculating Cooling Water Systems]

ACTIVE INGREDIENTS:

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

Dialkly (60%C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈) menthyl benzyl ammonium chloride 0.04%

OTHER INGREDIENTS: 90.00%

TOTAL: 100.00%

[Weight: Approx. 8 lbs/gallon]

**KEEP OUT OF REACH OF CHILDREN
DANGER**

See [side] [back] panel for additional Precautionary Statements.

Net Weight:

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes.

Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

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 INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further 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.

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 statement for end-use products in containers of less than 5 gallons (liquid) or less than 50 pounds (solid, dry).}

[ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish.]

{Environmental hazard statement for end-use products in containers greater than or equal to 5 gallons (liquid) or greater than or equal to 50 pounds (solid, dry).}

[ENVIRONMENTAL HAZARDS: 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.

~~{Storage and Disposal instructions for Swimming Pool Use and Decorative Fountains and Pools}~~

~~**[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.~~

7
14

~~**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.]~~

~~{Storage and disposal instructions for Industrial Water Treatment Use, Industrial and/or Commerical Recirculating Cooling Water Towers and Recirculating Cooling Water Systems.}~~

~~**[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 of 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.]~~

[STORAGE AND DISPOSAL – {For pesticides with only household/residential uses in nonrefillable containers.} Do not contaminate water, food, or feed by storage and disposal.

STORAGE: Store in original containers and place in locked storage area. Keep from freezing. All pesticides should be kept out of reach of children and stored away from food.

DISPOSAL:

If empty: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.]

[STORAGE AND DISPOSAL – {For all pesticides except products with only household/residential uses in nonrefillable containers}. Do not contaminate water, food, or feed by storage and disposal.

STORAGE: Store in original containers and place in locked storage area. Keep from freezing. All pesticides should be kept out of reach of children and stored away from food.

DISPOSAL:

If empty: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.]

Residue Removal: Triple rinse container (or equivalent) promptly after emptying.

{Rigid nonrefillable containers small enough to shake with capacities equal to or less than 5 gallons}

[Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.]

{Rigid nonrefillable containers too large to shake with capacities equal to or greater than 5 gallons or 50 lbs}

[Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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. 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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.]]

{Optional text for Swimming Pools}

[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 operations 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 formations 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: 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 Pool header and text must appear before either Instructions for use with/without Halogen Pool Sanitizers}

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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 the best when added by itself directly to pool water.

INSTRUCTIONS FOR USE WITH HALOGEN BASED POOL SANTIZERS: This product is formulated to complement most swimming pool sanitizers. When using other products as outlined in Directions for Use, 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. Do not apply when swimmers are in the immediate vicinity. Allow the filter to run for at least six (6) hours after adding algacide. During this period, swimmers should not be allowed into the water.

INITIAL APPLICATION FOR SWIMMING POOLS

1. Backwash the filter thoroughly.
2. Vacuum algae debris (to waste) and thoroughly brush pool.
3. Add 26 ounces per 10,000 gallons of water 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 to maintain 0.5 ppm active.

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 the pool.]

INSTRUCTIONS FOR USE WITH NON-HALOGEN BASED POOL

SANTIZERS: This product is formulated to complement most swimming pool water being treated with [BioGuard Softswim System] [Bacquacil] [and] [non-halogen systems]. When using other products as outlined in Directions for Use, always follow Directions for Use of those products. This product is efficient and non-staining when used as directed. This product will not evaporate and its algae fighting abilities actually increase as 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 algacide. During this period, swimmers should not be allowed into the water.

INITIAL APPLICATION FOR SWIMMING POOLS

1. Backwash the filter thoroughly.
2. Vacuum algae debris (to waste) and thoroughly brush pool.
3. Add 26 ounces per 10,000 gallons of water or ratio thereof. Vacuum pool after 24 hours to remove dead algae.
4. If algae is still visible repeat dose (steps 3 & 4) as necessary until pool is free of visible algae.
5. Once algae is 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 to maintain 0.5 ppm active.

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.

WINTERIZING TREATMENT: (not applicable in California). When swimming pool season is over, 8 ounces per 1,000 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.

11
74

For persistent algae or slime producing organisms add 1 quart of this product in to 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.

ALTERNATIVE WINTERIZATION TREATMENT: (not applicable in California). This product may be used with the following pool chemicals to form a winterization "package".

Directions:

1. Add a maintenance dose of chloride or oxygen shock.
2. Top up [BioGuard Softswim System] [Bacquacil] [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.

{Optional Usage Chart for Swimming Pools}

Swimming Pool Capacity in gallons	Initial Treatment	Maintenance/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

TO DETERMINE POOL CAPACITY:

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

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

DIRECTIONS FOR USE IN SPAS/WHIRLPOOLS/HOT TUBS

Initial Dose: Add 12.8 ounces of this product per 5,000 gallons of water. Initial dose is used upon filling of 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 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.

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 industrial and commercial cooling towers.

INDUSTRIAL AND/OR COMMERCIAL RECIRCULATING COOLING WATER TOWERS, RETORT WATER SYSTEMS (note Retort Water Systems use 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 1,000 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 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. 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 1,000 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.

13
14

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 1,000 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 1,000 gallons of water lost by blowdown. Badly fouled systems must be cleaned before treatment is begun.

ONCE THROUGH WATER COOLING SYSTEMS

1. DOSING LOCATION: This product is to be applied at a point in the system where it will be uniformly mixed, such as at the sump.

2. DOSING CONDITIONS: This product 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 0.75 to 7.5 fluid ounces (0.6 to 6 ppm on an active quaternary basis) per 1,000 gallons of water in the system. 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 ration of 5 ppm clay to 1 ppm product.

Subsequent Dose: When microbial control is evident, add 0.375 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 an 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 of 5 ppm clay to 1 ppm product.

b) CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, apply 0.375 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 using bentonite clay at a minimum ration of 5 ppm to 1 ppm product.

Subsequent Dose: Maintain this treatment by starting a continuous feed of 0.15 to 1.5 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 ration of 5 ppm clay to 1 ppm product.

DO NOT APPLY THIS PRODUCT MORE THAN 4 TIMES PER YEAR.

DEACTIVATION: This product must be deactivated prior to discharge of NPDES outfall.

CONTROLLING ALGAE GROWTH

Bird Baths: Do not use with fish. Clean to remove algae growth prior to filling bird bath. 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.

14
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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 dry on the surface and repeat application when algae growth returns.

[Instructions for Containerized Decorative Fountains and Pools

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 of water or ratio thereof.

Weekly Maintenance Dose: Add one quart of the 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.

This product is not to be used in open waterways 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.]

{optional chart for Containerized Decorative Fountains and Pools}

Decorative Fountain or Pool Capacity in gallons	Initial Treatment	Maintenance/Booster Dose
50,000	128.0 ounces	32.0 ounces
25,000	64.0 ounces	16.0 ounces
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 ounce

AllChem Performance Products
416 S. Main Street
Corsicana TX 75110

EPA REG. NO. 69681-19 EPA EST. NO. 69681-TX-001