

41246-5

09/25/2008

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SEP 25 2008

Ms. Kaci Rosario
Product Registration
General Chemical, LLC
For Bay Chemical & Supply Co.
90 East Halsey Road
Parsippany, NJ 07054

SUBJECT: Application for Pesticide Notification (PRN 98-10)
Request Alternate Brand Name(s) "Clar + Ion CS4"
"Clar + Ion CS8") "Clar + Ion CS12" "Clar + Ion 9341"
EPA Reg. No. 41246-5
Application Dated August 18, 2008

Dear: Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 08/18/08 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 41246-5	2. EPA Product Manager CYNTHIA - GILES - PARKER	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Bayfloc 9000	PM# 22	
5. Name and Address of Applicant (Include ZIP Code) BAY CHEMICAL AND SUPPLY COMPANY c/o GENERAL CHEMICAL, LLC 90 EAST HALSEY ROAD PARSIPPANY, NJ 07054 <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. NOTIFICATION Product Name SEP 25 2008	

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 type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
NOTIFICATION OF ALTERNATE BRAND NAME PER PR NOTICE 98-10.
(SEE ATTACHED FOR FURTHER INFORMATION).

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	If "Yes" Unit Packaging wgt. No. per container		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Package wgt. No. per container			
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 <input type="checkbox"/> On Labeling accompanying product	
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 Kaci Rosario	Title Product Safety Manager	Telephone No. (Include Area Code) 973-515-1841	
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.			6. Date Application Received (Stamped)
2. Signature <i>Kaci Rosario</i>	3. Title Product Safety Manager		
4. Typed Name Kaci Rosario	5. Date August 18, 2008		



ENVIRONMENTAL MATTERS DEPARTMENT

90 EAST HALSEY ROAD
PARSIPPANY, NJ 07054
TELEPHONE: (973) 515-1841
FACSIMILE: (973) 515-3244

August 18, 2008

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

RE: Bayfloc 9000 (EPA Reg. No. 41246-5)
Notification of Alternate Brand Names (ABN)

Dear Sir or Madam:

On behalf of Bay Chemical and Supply Company, General Chemical, LLC is submitting notification per PR Notice 98-10 to make minor label changes. The following alternate brand names are being added for the registered product, Bayfloc 9000 (EPA Reg. No. 41246-5):

- Clar + Ion CS4
- Clar + Ion CS8
- Clar + Ion CS12
- Clar + Ion 9341

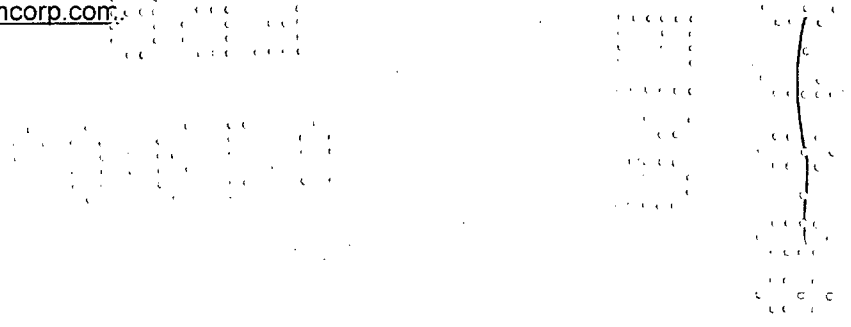
A pesticide registration transfer request, submitted May 8, 2008, is currently pending which will transfer this registration from Bay Chemical and Supply Company to General Chemical, LLC.

This notification is consistent with the provisions of PR-Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 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.

If you have any questions or require any additional information, please contact me at (973) 515-1841 or by e-mail at krosario@genchemcorp.com.

Best regards,

Kaci Rosario
Product Safety Manager



BAYFLOC 9000

[Alternate Brand Names:
CLAR+ION CS4
CLAR+ION CS8
CLAR+ION CS12
CLAR+ION 9341]

Active ingredient:
Copper sulfate pentahydrate* (CAS # 7758-99-8).....1.0%
Inert ingredient:.....99.0%
TOTAL: 100.0%

***COPPER AS METALLIC NOT LESS THAN 0.25%**

Density 10.85 pounds per gallon

KEEP OUT OF REACH OF CHILDREN

DANGER!

FIRST AID	
If inhaled:	<ul style="list-style-type: none"> • 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 on skin or clothing:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • 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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	
<p align="center">NOTE TO PHYSICIAN</p> <p align="center">Probable mucosal damage may contraindicate the use of gastric lavage.</p>	

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

DANGER!

CORROSIVE. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling. Applicators and other handlers must wear: long-sleeve shirt, long pants, shoes plus socks, protective eyewear and chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

Consult MSDS for additional information

Maximum use for potable water application is 400 milligrams per liter (1 ppm metallic copper equivalent)

Product is toxic to fish UNLESS used specifically according to directions. See side panel for specific pesticide use directions.

Manufactured by:
Bay Chemical and Supply Company
P.O. Box 1160
Odem, TX 78370

EPA REG. NO. 41246-5
EPA EST. NO. 41246-TX-001

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Direct application of Bayfloc 9000 to water may cause a significant reduction in populations of aquatic invertebrates, plants and fish. Fish toxicity generally decreases when the hardness of water increases. Do not contaminate water by cleaning of equipment or disposal of wastes. Consult your local State Fish and Game Agency before applying this product to public waters. Permits may be required before treating such waters.

ENDANGERED SPECIES RESTRICTIONS: It is a violation of Federal Laws to use any pesticide in a manner that results in the death of an endangered species or adverse modification of their habitat. The use of this product may pose a hazard to certain Federally designated endangered species known to occur in specific areas within these counties:

California	Solano Grass	EPA/ES-85-13	Solano
Tennessee	Slackwater Darter	EPS/ES-85-04	Lawrence Wayne Hancock
	Freshwater Mussels	EPA/ES-85-07	Claiborne Hawkins Sullivan
Alabama	Slackwater Darter	EPS/ES-85-05	Lauderdale Limestone Madison
Virginia	Freshwater Mussels	EPS/ES-85-06	Grayson
			Smyth
			Scott
			Washington Lee

PLEASE NOTE Before using BAYFLOC 9000 in the above counties you must obtain the EPA bulletin specific to your area. This Bulletin identifies areas within these counties where the use of this pesticide is prohibited, unless specified otherwise. The EPA Bulletin is available from either your County Agricultural Extension Agent, the Endangered Species Specialist in your state Wildlife Agency Headquarters, or the appropriate Regional Office of the U.S Fish and Wildlife Service. THIS BULLETIN MUST BE REVIEWED PRIOR TO PESTICIDE USE.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open burning and dumping is prohibited. Do not re-use empty container.

STORAGE: Keep pesticide in original container. Do not put concentrate or dilutions of concentrate on food or drink containers.

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 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: Empty drums in accordance with use directions. Reseal and offer for reconditioning or triple rinse (or equivalent). Then offer for reconditioning or recycling. Consult federal, state or local disposal authorities for approved alternative methods.

GENERAL INSTRUCTIONS FOR USE

BAYFLOC 9000 is a flocculant-algicide blended product which contains Copper Sulfate as the active ingredient to inhibit algae growth. BAYFLOC 9000 contains aluminum sulfate which is used to coagulate suspended and/or colloidal particles in a liquid to affect a liquid-solid separation. BAYFLOC 9000 is best used to inhibit algae regrowth inside a water plant, once the initial growth has been removed. BAYFLOC 9000 is intended exclusively for use in impounded raw water which is being immediately treated for public consumption inside the water plant. It is not intended for addition to lakes, reservoirs, or holding ponds. **NOTE: USEPA Lead and Copper Rule maximum is 1.3 ppm. The metallic copper residual must not exceed 1 ppm (4 ppm copper sulfate pentahydrate).** Do not exceed 400 ppm of BAYFLOC 9000.

BAYFLOC 9000 is injected in the first section of the water treatment plant. Normal injection locations include the rapid mix chamber or any similar device for mixing coagulant chemicals. This chamber then feeds the dosed water into the clarifiers or settling basins of the water plant. BAYFLOC 9000 can also be injected at various locations along the transfer pipe which delivers raw water into the water plant. BAYFLOC 9000 is not to be injected into potable water impoundments located outside the water plant, such as lakes, ponds, or reservoirs.

CALCULATIONS FOR THE AMOUNT OF BAYFLOC 9000 TO BE USED: Calculations for the amount of water volume is based on the municipality's million gallons per day (MMg) water usage. Jar testing of the raw water to be treated will indicate the optimum dosage of the aluminum sulfate flocculant in parts per million (ppm) which is the primary function of BAYFLOC 9000. Each ppm flocculant delivers 0.01 ppm copper sulfate pentahydrate. The parts per million indicated in testing is multiplied by 1% (0.01) to obtain the parts per million copper sulfate pentahydrate. The 0.01 ppm copper salt (25.45 wt% metallic copper) contains 0.0025 ppm elemental copper for suppressing algae growth inside the water plant. For example, if jar testing shows that 50 ppm of flocculant is the optimum dosage for coagulation, then BAYFLOC 9000 will also deliver 0.50 ppm of copper sulfate pentahydrate. BAYFLOC 9000 thus provides algae inhibition by the copper sulfate as its secondary function. The 0.50 ppm of copper salt (25.45 wt% metallic copper) contains 0.127 ppm elemental copper for suppressing algae.

MAXIMUM USE FOR POTABLE WATER APPLICATION IS 16 MILLIGRAMS PER LITER (1 ppm metallic copper equivalent)

COPPER SULFATE REQUIRED FOR TREATMENT OF DIFFERENT GENERA OF ALGAE

The genera of algae listed below are commonly found in waters of the United States.
Always consult State Fish and Game Agency before applying this product to municipal waters.

ORGANISM	0.25 – 0.50 PPM	0.5 – 1.0 PPM	1.0 – 1.5 PPM	1.5 – 2.0 PPM
Cyanophyceae (Blue-green)	Anabaena	Cylindrospermum	Nostoc	Calothrix
	Anacystis	Oscillatoris	Phormidium	Symploca
	Aphanizomenon	Plectonema		
	Gloeotrichia			
	Gomphosphaeria			
	Polycystis			
	Rivularia			
Chlorophyceae (Green)	Closterium	Botryococcus	Chlorella	Ankistrodesmus
	Hydrodictyon	Cladophora	Crucigenia	Chara
	Spirogyra	Coelastrum	Desmidium	Nitella
	Ulothrix	Draparnaldia	Golenkinia	Scenedesmus
		Enteromorpha	Oocystis	
		Gloeocystis	Palmella	
		Microspora	Pithophora	
		Tribonema	Staurastrum	
		Zygnema	Tetraedron	
		Gomphonema	Achnanthes	
Diatomaceae (Diatoms)	Asterionella	Nitzschia	Cymbella	
	Fragilaria	Stephanodiscus	Nudum	
	Melosira	Synedra		
	Navicula	Tabellaria		
		Ceratium	Chlamydomonas	Eudorina
Protozoa (Flagellates)	Dinobryon	Cryptomonas	Hawmatococcus	Pandorina
	Synura	Euglena	Peridinium	
	Uroglena	Glenodinium		
	Volvox	Mallomonas		

0.25 - 0.50 ppm CuSO₄ = 50.5 – 101 ml/min per MMgpd*

1.0 – 1.5 ppm CuSO₄ = 202 – 303 ml/min per MMgpd*

0.50-1.0 ppm CuSO₄ = 101 – 202 ml/min per MMgpd*

1.5 – 2.0 ppm CuSO₄ = 303 – 404 ml/min per MMgpd*

Calculations based on 50 ppm of BAYFLOC 9000 with 1% copper sulfate.

NOTICE: Bay Chemical and Supply Company warrants that this product in its unopened package conforms to the chemical description on the label. THERE ARE NO OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions or under conditions not reasonably foreseeable to seller and buyer assumes all risk of any such use.

8/18/08