



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 3, 2015

Susan Stracquatano
Agent for GEO Specialty Chemicals, Inc.
c/o Delta Analytical Corporation
12510 Prosperity Drive, Suite 160
Silver Spring, MD 20904

Subject: Notification per PRN 98-10 – Addition of the NSF logo to the product label
Product Name: UltraFloc AlgaeSolve II
EPA Registration Number: 70804-1
Application Date: 07/08/2015
Decision Number: 506983

Dear Ms. Stracquatano:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records. This NSF logo can remain on the label during active NSF certification. It must be removed when certification by NSF ceases.

If you have any questions, you may contact Fatima Sow at (703) 347-8308 or via email at sow.fatima@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Tony Kish".

Tony Kish, Product Manager 22
Fungicide Branch
Registration Division (7505P)
Office of Pesticide Programs

UltraFloc® AlgaeSolve II

Algicide

LIMITED WARRANTY AND LIMITATION OF REMEDIES

To the extent consistent with applicable law, seller warrants that the product conforms to the chemical description and is reasonably fit for the purpose stated on the label for use under normal conditions, but makes no other warranties of FITNESS OR MERCHANTABILITY, expressed or implied, or any other warranty if the product is used contrary to the label instructions, or under abnormal conditions or under conditions not foreseeable to the seller. To the extent consistent with applicable law, in no case shall the seller be liable for more than the cost of this product to the buyer, and will in no event be liable for any consequential, special or indirect damages connected with the use or handling of this product. To the extent consistent with applicable law, this product is offered and the buyer or user accepts it subject to the foregoing terms which may not be varied.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER Corrosive. Causes irreversible eye damage. Causes skin burns. May be fatal if swallowed. Harmful if inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing spray mist or vapor. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Handlers must wear protective eyewear (goggles, face shield, or safety glasses), coveralls over long sleeved shirt and long pants, chemical resistant footwear, socks, and chemical resistant gloves (such as or made out of any waterproof material, selection category A). Follow Manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS:

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

NOTIFICATION

70804-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

Lot No.

08/03/2015

ACTIVE INGREDIENT

*Copper Sulfate Pentahydrate (CAS #7758-99-8).....25%

OTHER INGREDIENTS:.....75%

TOTAL:100%

*6.3% Metallic Copper Equivalent

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand the label, find someone to explain it to you in detail.)

See back label for additional Precautionary Statements.

EPA Reg. No. 70804-1

EPA Est. No. 70804-TX-001

Manufactured by:

GEO Specialty Chemicals, Inc.

340 Mathers Rd.

Ambler, PA 19002

1-888-519-3883

**For Emergency Assistance Call
CHEMTREC (800-424-9300)**

Non-Flammable DO NOT FREEZE

NET CONTENTS:

55 gal. 300 gal. _____ gal.

9.84 lbs. per Gallon 1.18 Kg/L



Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Water treated with this product may be hazardous to aquatic organisms. Treatment of aquatic weeds and algae can result in oxygen loss from decomposition of dead algae and weeds. The oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard, do not treat more than 1/2 of the water body to avoid depletion of oxygen due to decaying vegetation. Wait at least 14 days between treatments. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Consult with the State or local agency with primary responsibility for regulating pesticides before applying to public waters, to determine if a permit is required.

Certain water conditions including low pH (<6.5), low dissolved organic carbon (DOC) levels (3.0 mg/L or lower), and "soft" waters (i.e., alkalinity less than 50 mg/L), increases the potential acute toxicity to non-target aquatic organisms.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact CHEMTREC at 1-800-424-9300 for emergency medical treatment information.

If in Eyes: 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 immediately 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 immediately for treatment advice.

If Swallowed: Call a poison control center or doctor immediately for advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to an unconscious person.

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.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

ULTRAFLOC® ALGAE SOLVE II REQUIRED FOR TREATMENT OF DIFFERENT GENERA OF ALGAE

The genera of algae listed below are commonly found in waters of the United States. Use the lower rate in soft waters (less than 50 ppm, methyl orange alkalinity) and the higher concentration in hard water (above 50 ppm alkalinity). Always consult State Fish and Game Agency before applying this product to municipal waters.

Organism	1-2 ppm UltraFloc® AlgaeSolve II 0.28-0.55 gals/acre ft	2-4 ppm UltraFloc® AlgaeSolve II 0.55-1.10 gals/acre ft	4-6 ppm UltraFloc® AlgaeSolve II 1.10-1.66 gals/acre ft	6-8 ppm UltraFloc® AlgaeSolve II 1.66-2.21 gals/acre ft
Cyanophyceae (Blue-green)	Anabaena Anacystis Aphanizomenon Gloeotrichia Polycystis Rivularia	Cylindrospermum Oscillatoris Plectonema	Nostoc Phormidium	Calothrix Symploca
Chlorophyceae (Green)	Closterium Hydrodictyon Spirogyra Ulothrix	Botryococcus Cladophora Coelastrum Draparnaldia Enteromorpha Gloeocystis Microspora Tribonema Zygnema	Chlorella Crucigenia Desmidiium Golenkinia Oocystis Palmella Pithophora Staurastrum Tetraedron	Ankistrodesmus Chara Nitella Scenedesmus
Diatomaceae (Diatoms)	Asterionella Fragilaria Melosira Navicula	Gomphonema Nitzschia Stephanodiscus Synedra Tabellaria	Achnanthes Cymbella Nudum	
Protozoa (Flagellates)	Dinobryon Synura Uroglana Volvox	Ceratium Cryptomonas Euglena Glenodinium Mallomonas	Chlamydomonas Hawmatococcus Peridinium	Eudorina Pandorina

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.
STORAGE: Keep pesticide in original container. Do not put concentrate or dilutions of concentrate in 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 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 HANDLING:

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty 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. Then offer for recycling, if available; or reconditioning; if appropriate; or puncture and dispose of in a sanitary landfill.

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. 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. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about ten percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Reseal and offer for reconditioning or recycling. Consult federal, state or local disposal authorities for approved alternative methods.

APPLICATION AND HANDLING EQUIPMENT

Application, handling or storage equipment **MUST** consist of either fiberglass, PVCs, polypropylenes, viton, most plastics, aluminum or stainless steel. Never use mild steel, nylon, brass or copper around full strength UltraFloc® AlgaeSolve II. Always rinse equipment free and clean of UltraFloc® AlgaeSolve II each night with

plenty of fresh, clean water. Always store UltraFloc® AlgaeSolve II above 32 °F. Freezing may cause product separation. Seller makes no warranty of the performance of product which has been frozen.

DIRECTIONS FOR USE

It is in 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 requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

PRODUCT INSTRUCTIONS

This product is for use in treating waters segregated for Municipal Water Utilities for eventual use as drinking water. NOTE: Waters destined for use as drinking water must receive additional and separate potable water treatment. The metallic copper applied to these waters must not exceed 1 ppm (4 ppm copper sulfate pentahydrate).

Water hardness, temperature of the water, the type and amount of vegetation to be controlled, and the amount of water flow are to be considered in using UltraFloc® AlgaeSolve II to control algae. Begin treatment soon after algae growth has started. If treatment is delayed until a large amount of algae is present, larger quantities of UltraFloc® AlgaeSolve II will be required. Algae are difficult to control with UltraFloc® AlgaeSolve II when water temperatures are low or water is hard. Larger quantities of UltraFloc® AlgaeSolve II will be required to kill and control algae in water which is flowing rather than a body of stagnant water. If possible, curtail the flow of water before treatment and hold dormant for approximately three (3) days after treatment or until the algae have begun to die. It is usually best to treat algae on a sunny day when the heavy mats of filamentary algae are most likely to be floating on the surface where it can be sprayed directly. If there is some doubt about the concentration to apply, start with a lower concentration and increase the concentration until the algae is killed or the maximum allowable use rate is reached. Treatment of algae can result in oxygen loss from decomposition of dead algae. The loss can cause fish suffocation. Therefore, to minimize this hazard, treat one-third to one-half of the water area in a single operation and wait 14 days between treatments. Begin treatments along the shore and proceed outward in bands to allow fish to move into untreated water.

CALLUTIONS FOR THE AMOUNT OF WATER IMPOUNDED AND FOR THE AMOUNT OF ULTRAFLOC® ALGAE SOLVE II TO BE USED: Calculate water volume as follows: 1) Obtain surface area by measuring of regular shaped ponds or mapping of irregular ponds or by reference to previously recorded engineering data or maps. 2) Calculate average depth by sounding in a regular pattern and taking the mean of these readings or by reference to previously obtained data. 3) Multiply surface area in feet by average depth to obtain cubic feet of water volume. 4) Multiply surface area in acres by average depth in feet to obtain total acre-feet of water volume.

CALCULATE WEIGHT OF WATER TO BE TREATED AS FOLLOWS: 1) Multiply volume in cubic feet by 62.44 to obtain total pounds of water, or 2) Multiply volume in acre feet by 2,720,000 to obtain pounds of water.

CALCULATIONS OF ACTIVE INGREDIENT TO BE ADDED: To calculate the amount of UltraFloc® AlgaeSolve II needed to achieve the labeled concentration, multiply the weight of water by the label concentration of UltraFloc® AlgaeSolve II. Since labeled concentrations are normally given in parts per million (ppm), it will first be necessary to convert the value in parts per million to a decimal equivalent. For example, 8 ppm is the same as 0.000008 when used in this concentration. Therefore, to calculate the amount of UltraFloc® AlgaeSolve II to treat 1 acre-foot of water with 8 ppm UltraFloc® AlgaeSolve II, the calculation would be as follows: 0.000008 x 2,720,000 = 21.75 lbs x 1 gal UltraFloc® AlgaeSolve II/9.84 = 2.2 gal UltraFloc® AlgaeSolve II

SPECIFIC INSTRUCTIONS

Dosages to control algae in impounded waters, lakes, lagoons, reservoirs, and rivers at the point of process stream intake, should be calculated per million gallons (MMG) as follows:

1 MMG x 8.344 pounds per gallon x 8 ppm = 66.75 pounds UltraFloc® AlgaeSolve II per MMG raw water (maximum use) x 1 gal per 9.84 pounds = 6.78 gallons UltraFloc® AlgaeSolve II per MMG raw water. This is the equivalent of 8 parts per million (ppm) UltraFloc® AlgaeSolve II which delivers 0.5 ppm active metallic copper.

For flowing systems such as raw water intake, use same dosage ratio so that the maximum usage remains 6.78 gallons UltraFloc® AlgaeSolve II per day per MMG per day raw water.

Successful algae treatment can be accomplished at much lower dosages. Treatment dosages can be as low as 1/20 the maximum or 0.68 gallon UltraFloc® AlgaeSolve II per MMG water.

To control algae in impounded waters, lakes, lagoons, reservoirs and rivers at the point of process stream intake: Apply UltraFloc® AlgaeSolve II using pump injection at the process stream intake. Bulk UltraFloc® AlgaeSolve II tanks should be metered and regulated to coincide with the start of the irrigation pump. Dosage not to exceed 8 ppm UltraFloc® AlgaeSolve II, which delivers 0.5 ppm active copper.

To control algae in impounded lakes, lagoons, and reservoirs before this water reaches the point of process stream intake: Begin treatment at the first signs of algae. If desired, dilute one volume of this product with 10 to 20 volumes of water before application. Spray diluted mixture from shore or boat evenly across surface of water at label rates to achieve a particular copper concentration according to the label. To ensure best results, remove large mats of floating algae manually before treatment. A second application 2 weeks after the first may be necessary for heavily infested areas. Even distribution of this product in the water will improve algae control; therefore, apply in a manner that distributes it throughout the treated area. Treat no more than one-third to one-half of the water area in a single operation.