



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

83327-4

Date of Issuance:

1/21/22

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Blue-Tropic

Name and Address of Registrant (include ZIP Code):

David Swain,
Agent
Water Solutions Unlimited, Inc.
8824 Union Mills Drive
Camby, IN 46113

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.


On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.

Signature of Approving Official:


Eric Miederhoff
Product Manager 31
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Date:

1/21/22

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 83327-4.”
4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Assurance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 07/30/2021

If you have any questions, please contact Miederhoff.eric@epa.gov or Oiguenblik.emilia@epa.gov.

Enclosure: Stamped label

MASTER LABEL FOR BLUE-TROPIC
EPA REG. NO. 83327-X

BLUE-TROPIC

Algaecide*
For Pools, Spas and Hot Tubs

Nonpublic Health Bacteria

ACCEPTED

01/21/2022

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 83327-4

ACTIVE INGREDIENT

Copper Sulfate Pentahydrate* (CAS No. 7758-99-8).....20.5%

OTHER INGREDIENTS..... 79.5%

Total.....100.0%

*Metallic Copper 5%

NET CONTENTS:

KEEP OUT OF REACH OF CHILDREN

DANGER

MFG. BY: Water Solutions Unlimited, Inc.
8824 Union Mills Drive
Camby, IN 46113

EPA REGISTRATION NO.: 83327-X

EPA ESTABLISHMENT NO.:

BATCH NO.:

{Note to Reviewer: The First Aid statements will be present on the Front Panel of the product label.}

FIRST AID

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 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 by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For non-emergency and general information on product use, etc., information pertaining to this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday – Friday, 8:00 am – 12:00 pm Pacific Time; email: npic@ace.orst.edu; or web site: www.npic.orst.edu . For emergencies, call the poison control center 1-800-222-1222.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS ON SIDE OR BACK PANEL

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER. Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear protective eye-wear such as goggles, face shield, or safety glasses. Wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

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.)

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. For use in residential pools, spas and hot tubs, do not apply this product in a way that will contact adults, children or pets.

Discharge Instructions

Before draining a treated pool, spa, hot tub, or fountain, contact your local sanitary sewer and storm drain authorities and follow their discharge instructions. Do not discharge treated pool or spa water to any location that flows to a gutter or storm drain or natural water body unless discharge is allowed by state and local authorities.

To Control Algae and Nonpublic Health Bacteria, and Bacteria That Cause Odor Problems in Residential Swimming Pools, Spas and Hot Tubs:

The product may be applied throughout the year but for best results apply in the late spring or early summer when algae first appear. The dosages are variable and depend upon algae species, water

hardness, water temperature, amount of algae present, as well as whether water is clear, turbid, flowing or static. Preferably, the water should be clear with temperature above 60 degrees F (15.6 degrees C). Higher dosages are required at lower water temperatures, higher algae concentrations, and for hard waters.

For pools, apply at the rate of 2 fluid ounces of Blue-Tropic per 1,000 gallons of water (20 fluid ounces per 10,000 gallons).

For spas and hot tubs, apply at the rate of 6 mL of Blue-Tropic per 100 gallons of water using supplied measuring cup.

These dosages will yield a rate of 0.9 ppm metallic copper. Treated pool effluent should not be discharged where it will drain into lakes, streams, ponds or public water. Application should be made before visible algae appear.

Every 14 days, test the copper level using a standard commercial swimming pool copper test kit. Add Blue-Tropic to raise level back to 0.9 ppm (see tables). The amount of Blue-Tropic to be added is proportional to the starting concentration and volume of water. Do not exceed 1.0 ppm metallic copper.

MAINTAINING METALLIC COPPER CONCENTRATION IN POOLS

Pool Volume (gallons)	7,000	8,000	9,000	10,000	11,000	12,000	13,000	14,000
Measured Metallic Copper Level in Pool	ADDITIONAL FLUID OUNCES OF BLUE-TROPIC ADDED TO MAINTAIN CONTROL							
0.9 ppm	0	0	0	0	0	0	0	0
0.8 ppm	1	1	2	2	2	2	2	3
0.7 ppm	3	3	4	4	5	5	5	6
0.6 ppm	4	5	5	6	6	7	8	9
0.5 ppm	6	7	7	8	10	10	11	12
0.4 ppm	8	9	10	11	13	13	14	15
0.3 ppm	9	10	12	13	15	15	16	18
0.2 ppm	11	12	14	15	17	18	20	21
0.1 ppm	12	14	15	17	19	20	22	24

MAINTAINING METALLIC COPPER CONCENTRATION IN SPAS

Spa Volume (gallons)	100	200	300	400	500	700	800	900	1,000
Measured Metallic Copper Level in Spa	ADDITIONAL MILLILITERS OF BLUE-TROPIC ADDED TO MAINTAIN CONTROL								
0.9 ppm	0	0	0	0	0	0	0	0	0
0.8 ppm	1	1	2	3	3	4	5	6	6
0.7 ppm	1	3	4	5	6	9	10	11	13
0.6 ppm	2	4	6	8	9	13	15	17	19
0.5 ppm	3	5	8	10	13	18	20	23	25
0.4 ppm	3	6	9	13	16	22	25	28	32
0.3 ppm	4	8	11	15	19	27	30	34	38
0.2 ppm	4	9	13	18	22	31	35	40	44
0.1 ppm	5	10	15	20	25	35	40	45	51

An alternate method is to apply at the rate of 1 fluid ounce of Blue-Tropic per 1,000 gallons of water. This will yield a rate of 0.45 ppm metallic copper. Repeat a maintenance dosage of 1 fluid ounce of Blue-Tropic per 1,000 gallons of water once a month to maintain control. Application should be made before visible algae appear. Where visible algae are present apply at a rate of 2 fluid ounces of Blue-Tropic per 1,000 gallons of water. This will yield a rate of 0.9 ppm metallic copper.

APPLICATION AND HANDLING EQUIPMENT

Application, handling or storage equipment **MUST** consist of fiberglass, PVC, polypropylene, viton, corrosion resistant plastics or stainless steel. Never use mild steel, nylon, brass or copper around Blue-Tropic. Always rinse and clean equipment thoroughly each night with plenty of fresh, clean water.

PESTICIDE STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store tightly closed in original container in a safe place away from pets and keep out of the reach of children. Store away from excessive heat. Blue-Tropic will freeze. Always store Blue-Tropic above 32 degrees F (Do Not Freeze). Freezing may cause product separation. Keep away from galvanized pipe, and any nylon storage or handling equipment.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper

disposal of excess Blue-Tropic 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. In the event of spill, neutralize with limestone or baking soda before disposal. May deteriorate concrete.

CONTAINER HANDLING:

Containers with capacities less than 5 gallons:

IF EMPTY: Nonrefillable container. Do not reuse or refill this container. Place in trash or 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.

Containers with capacities greater than 5 gallons:

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 10% 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 2 more times. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. IF PARTLY FILLED: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.