

P. 32 3876-150

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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO. 3876-150	DATE OF ISSUANCE 3 MAR 1976
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Bio-Trol 88P	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Betz Laboratories, Inc.
 4636 Somerton Road
 Treose, PA 19053

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

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Add the phrase "EPA Registration No. 3876-150."
 - b. In the Ingredient Statement, revise "Active Ingredients" to read: "Active Ingredient".
 - c. In the Statement of Practical Treatment, revise the fourth sentence of the "If swallowed" instructions to read: "Drink large quantities of water (at least 8 ounces, not to exceed 0.23 oz. per pound in a child).

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE 3 MAR 1976
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d. Expand the Environmental Hazards statement to read:

"This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewer treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA."

Following the sentence, "This pesticide is toxic to fish and aquatic organisms", you may instead use the text indicated in PR Notice 93-10 (copy enclosed) since that text will be required as indicated in that Notice.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,



Ruth G. Douglas
Product Manager (32)
Antimicrobial Program Branch
Registration Division (7505C)

Enclosures

BETZ
BETZ INDUSTRIAL

Bio-Trol 88P

A DIVISION OF BETZ LABORATORIES, INC.

FOR CONTROL OF ALGAL, BACTERIAL
AND FUNGAL SLIMES IN COOLING
WATER SYSTEMS

NO. 3576-750
EPA Letter Draft

13 MAR 1984

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended and Executive Order 12473, registered under TPA Reg. No. 3576-750

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER
HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS.
DANGER. IRRITATING. CAUSES EYE AND SKIN IRRITATION. HARMFUL OR FATAL IF SWALLOWED. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. NEAR CIRCLES OR FACE, GLOVES AND RUBBER GLOVES WHEN HANDLING. IRRITATING TO NOSE AND THROAT. AVOID BREATHING DUST, FUME AND VAPOR. CONTAMINATED CLOTHING BEFORE WASHING. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.
ENVIRONMENTAL HAZARDS

ACTIVE INGREDIENTS:	
1-Brom-3-chloro-5,5-dimethyl-4-hydroxyisobutane.....	94.00%
INERT INGREDIENTS:	4.00%
TOTAL:	100.00%
Available Bromine: 40% Available Chlorine: 20%	
CONTENTS: POUCH	EPA EST. NO.
REGISTERED: 3576-750	
EPA REG. NO.: 3076-	

DANGER
IF SWALLOWED: Seek medical attention promptly. Do not induce vomiting. Do not drink alcohol. Drink at least 8 ounces of water (not to exceed 0.23 oz. per pound in a child).
IF ON SKIN: Remove contaminated clothing immediately. Wash w/ excess chemical and wash skin with large volumes of soap and water, flushing the skin with water for at least 15 minutes. If skin irritation develops, seek medical attention.
FOR EYE CONTACT: Irrigate eyes with large volumes of room temperature water for at least 15 minutes, then seek medical attention promptly.
NOT TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

THIS PRODUCT IS TOXIC TO FISH OR MAY DISCHARGE INTO LAKES, STREAMS, PONDS OR PUBLIC WATER UNLESS IN ACCORDANCE WITH AN APPLICABLE PERMIT. FOR OUTRANCE CONTACT YOUR REGIONAL OFFICE OF THE EPA.

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL
STORAGE: Keep product dry in tightly closed container when not in use. Store in a cool, dry, well ventilated area away from heat, open flames, sunlight and other chemicals. Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.
DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
Drums and Pails: DO NOT REUSE EMPTY CONTAINER. Triple rinse the container (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate. Burn only if allowed by state and local authorities. If burned, stay out of smoke.
Bags: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PHYSICAL AND CHEMICAL HAZARDS
STRONG OXIDIZING AGENT. MIX ONLY WITH WATER. USE CLEAN DRY UTENSILS AND EQUIPMENT. DO NOT MIX THIS PRODUCT TO ANY DISPENSING DEVICE CONTAINING REMNANTS OF ANY OTHER PRODUCT. SUCH MIX MAY CAUSE A VIOLENT REACTION LEADING TO FIRE AND EXPLOSION. CONTAMINATION WITH AMMONIA, ORGANIC MATTER OR OTHER CHEMICALS MAY START A CHEMICAL REACTION WITH GENERATION OF HEAT, HAZARDOUS GASES, AND POSSIBLE FIRE AND EXPLOSION. IN CASE OF CONTAMINATION OR DECOMPOSITION, DO NOT RESEAL CONTAINER. IF POSSIBLE, COOLATE CONTAINER / OPEN AIR OR WELL VENTILATED AREA. IF NECESSARY, FLOOD WITH LARGE VOLUMES OF WATER.

RECIRCULATING COOLING WATER SYSTEMS

When used as directed, this product effectively control algal, bacterial and fungal slimes in commercial and industrial cooling towers; influent water systems such as flow through filters, and lagoons, etc.; heat exchange water systems; industrial water scrubbing systems; brewery pasteurizers; and industrial air washing systems equipped with a mist eliminator.

DOSE RATES:
INITIAL DOSE: When the system is noticeably fouled, add 0.2-0.6 lbs/1000 gallons of water contained in the system. Repeat initial dosage until one to three ppm bromine residual is established for at least 4 hours.
MAINTENANCE DOSE: When microbial control is evident, add 0.1-0.3 lbs/1000 gallons of water contained in the system. Repeat as needed to maintain one to three ppm bromine residual for at least 4 hours.

ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS

For the control of algal, bacterial and fungal slimes in once-through and closed-cycle fresh and sea water cooling systems; cooling ponds; canals, and lagoons, add this product to the system inlet water or before any other contaminated area in the system.

DOSE RATES:
INITIAL DOSE: When the system is noticeably fouled, add 0.2-0.6 lbs/1000 gallons of water contained in the system. Repeat initial dosage until one to three ppm bromine residual is established for at least 4 hours.
MAINTENANCE DOSE: When microbial control is evident, add 0.1-0.3 lbs/1000 gallons of water contained in the system. Repeat as needed to maintain one to three ppm bromine residual for at least 4 hours.

NET WT.: LBS.
LOT NO.
FOR INDUSTRIAL USE. Technical advice regarding specific site problems is available from BETZ
BOP 7310

DURLEY WAY, TREUSE, PA 19053 BUSINESS PHONE: 215-355-3300 EMERGENCY (HEALTH OR ACCIDENT): 1-800-877-1940

BEST AVAILABLE COPY