

DEC 07 1994

Stepan Company
22 West Frontage Rd
Northfield, IL 60093

Attention: Leo Dringoli
Manger Product Registration

Subject: 50% BTC 776 Swimming Pool Algaecide
EPA Registration No. 1839-141
Your Amendment Dated September 12, 1994
and your cover letter dated October 27, 1994

The amendment (label update) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you:

1. Make the following labeling changes below before you release the product for shipment bearing the amended labeling.
 - a. Also in the use directions section (left panel) for Spas/Whirlpools/Hot Tubs, include the word: Outside
 - b. The two algae: Phormidium inumdatum and Phormidium retzi are both correctly classified as blue-green algae.
 - c. The headings "Active Ingredient" and "Inert Ingredients" must be given equal prominence.
 - d. Delete the word: Concentrated (center panel).
 - e. Revise the statement: Remove and wash contaminated clothing, to read:

Remove contaminated clothing and wash before reuse.

CONCURRENCES							
SYMBOL							
SURNAME	GAMMILL						
DATE	12/7/94						

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2. A release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

3. A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, contact V. Goncarovs at 703-305-6663.

Sincerely,

Walter C. Francis
Acting Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7505C)

Enclosures

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DATE							

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Stepan Company
Northfield, IL 60093

50% BTC[®] 776 Swimming Pool Algaecide

Concentrated Swimming Pool Algaecide

Keeps Pool Water Clear and Free of Visible Algae.

Controls Algae Slime in both swimming pools and outside
Spa/Whirlpool/Hot Tub Baths.

ACTIVE INGREDIENTS:

n-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈)	
dimethyl benzyl	
ammonium chloride	49.8%
n-Dialkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈)	
methyl benzyl	
ammonium chloride	0.2%
INERT INGREDIENTS:	50.0%
TOTAL	100.0%

EPA REG. NO. 1839-141
EPA EST. NO. 1839-IL-01

KEEP OUT OF REACH OF CHILDREN

DANGER

See side panels for additional precautionary statements.

ACCEPTED
WITH COMMENTS
By EPA Office of Pesticide Programs

DEC 07 1994

Under the
Federal Insecticide,
Fungicide, and
Rodenticide Act
Registration No. 1839-141

Stepan Company
Northfield, IL
EPA Reg. No. 1839-141

NET CONTENTS

(middle panel)

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DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Directions for Use in Swimming Pools

Initial Dose: Add 5¼ fluid ounces of this product to 10,000 gallons of pool water.

Maintenance Dose: Add 1¼ fluid ounces of this product to 10,000 gallons of pool water.

Initial dose is used when filling pool at beginning of swimming season. If pool has visible algae growth, treat with initial dose. Vacuum pool after 24 hours to remove algae debris. If visible algae are still present or re-appear, repeat this treatment procedure as necessary. When pool is free of visible algae, use the recommended maintenance dose.

Maintenance dose should be added at 3-5 day intervals. If high temperatures prevail or pool has unusually heavy use, add maintenance dose more frequently.

If make-up water is added at the rate of more than 10% per week of pool capacity, add ½ fluid ounce of this product for each 1,000 gallons of fresh water added per week.

When swimming season is over, add 16 fluid ounces of this product to 10,000 gallons of water in treating 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.

Alternate Winterization Method

This product may be used with the following pool chemicals to form a winterization "package".

Directions:

1. Add a maintenance dose of BAQUA SHOCK™
2. Top-up BAQUACIL™ to 50 ppm.
3. Add a maintenance dose of BTC® 776 Swimming Pool Algaecide.
4. Allow filter to run for several hours after chemical additions for good mixing.

When this product is used as directed, it will prevent development of Chlorella pyrenoidosa (green), Phormidium inundatum (black algae), Phormidium retzi (Square D Algae), Lyngba versicolor (blue-green), and other swimming pool algae.

This product is compatible with most commonly used swimming pool chemicals, but should not be mixed with soap or other water-treating chemicals. This product works best when added by itself to pool water. This product, at use-dilution, is non-corrosive to inanimate surfaces.

Directions for Use in Spas/Whirlpools/ Hot Tub Baths

Initial Dose: Add 1 fluid ounce of this product per 2,000 gallons of water. Initial dose is used upon filling of Spas/ Whirlpool/Hot Tub Bath.

Maintenance: Add 0.3 fluid ounces of this product per 2,000 gallons of water. Maintenance dose should be added at 3-5 day intervals. If high temperatures prevail or Spas/ Whirlpool/Hot Tub Bath has unusually heavy use, add maintenance dose more frequently.

Drain and clean Spas/Whirlpool/Hot Tub Bath at least once a month or as needed depending on bather load.

Stepan Company
Northfield, IL 60093
EPA Reg. No. 1839-141

(left panel)

ACCEPTED
WITH COMMENTS
In EPA Laboratory

DEC 07 1994

Under the
Federal Insecticide,
Fungicide, and
Rodenticide Act
1839-141

5045

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

KEEP OUT OF REACH OF CHILDREN. Corrosive. Causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food. Wash thoroughly with soap and water after handling.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

If swallowed, drink promptly, a large quantity of egg whites or gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. 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 to 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 use or store near heat of open flame.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

STORAGE - Store in a dry place no lower in temperature than 50° F or higher than 120° F.

CONTAINER DISPOSAL - Do not reuse empty container. Triple rinse empty container with water. Return metal drum then offer for reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned, stay out of smoke.

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.

ACCEPTED
with COMMENTS
In EPA 1839-141

DEC 07 1994

By: [Signature]

1839-141

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(right panel)