

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Betz Laboratories Inc.  
4636 Somerton Road  
Trevose, PA 19053-6783

JUN 22 1994

Attention: Lois M. Dattr  
Labeling Specialist

Subject: Clam-Trol CT-2  
EPA Registration 3876-149  
Your Submission Dated March 21, 1994  
EPA Rceived Date March 31, 1994

The amendment referred to above submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act is acceptable provided that you include the appropriate EPA Establishment Number on your label.

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

If you have any questions concerning this letter, please contact Velma Noble at (703) 305-7441.

Sincerely your,

Marshall Swindell  
Acting Product Manager-31  
Antimicrobial Program Branch  
Registration Division (7505C)

CONCURRENCES

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

# BETZ LABORATORIES, INC.

# Clam-Trol

BETZ WATER MANAGEMENT GROUP

FOR CONTROL OF ALGAE AND SLIME GROWTH IN WATER SYSTEMS

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## DANGER

CORROSIVE. CAUSES SEVERE EYE & SKIN DAMAGE. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WEAR GOGGLES OR FACE SHIELD & RUBBER GLOVES WHEN HANDLING. HARMFUL OR FATAL IF SWALLOWED. AVOID CONTAMINATION OF FOOD. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

### ENVIRONMENTAL HAZARDS

THIS PRODUCT IS TOXIC TO FISH.

DO NOT DISCHARGE EFFLUENT CONTAINING THIS PRODUCT INTO LAKES, STREAMS, PONDS, ESTUARIES, OCEAN 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.

ACCEPTED with COMMENTS

PHYSICAL OR CHEMICAL HAZARD EPA Letter Date: JUN 22 1994  
DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME.

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 3876-149

### ACTIVE INGREDIENT:

n-Alkyl (58% C14, 48% C12, 10% C16)  
dimethyl benzyl ammonium chloride.... 50.0%

INERT INGREDIENTS:..... 50.0%

TOTAL..... 100.0%

CONTENTS: LIQUID  
POUNDS PER GALLON: 8.0  
EPA REG NO. 3876-149

EPA EST. NO.

## DANGER

In case of contact, in eyes, call a physician.

If swallowed, drink plenty of water. If not available, drink milk.

NOTE TO PHYSICIAN: Product is toxic to fish.

See

## DIRECTIONS FOR USE: It is a violation of Federal law to use

### STORAGE AND DISPOSAL

1. PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dump.
2. STORAGE INSTRUCTIONS: Store in original container. Keep from freezing.
3. SPILL OR LEAK PROCEDURE: Small spills may be mopped up or flushed away with water.
4. PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess wastes cannot be disposed of by the user according to label instructions, contact your representative at the nearest EPA Regional Office for guidance.
5. CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning procedures approved by state and local authorities.

### INDUSTRIAL AND/OR COMMERCIAL RECIRCULATING SYSTEMS

This product aids in the control of mollusca, barnacles, hydrozoa, bryozoa and of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, influent systems such as flow-through filters and lagoons, industrial water scrubbing systems and brewery pasteurizers.

Do not use water containing residues from use of this product to irrigate crops used for food or feed.

Use of this product in either public/municipal or single or multiple family private/residential potable/drinking water systems is strictly prohibited. Use of this product in any cooling water system that discharges effluent within 1/4 mile of either a public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited.

This product may be added to the systems as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the problem. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

NET WT.: LBS.  
LOT NO.

FOR INDUSTRIAL USE. Technical advice regarding specific site problems is available from BETZ. CT2 9389 PANEL 1 OF 2

### FOR THE CONTROL OF ALGAE

INITIAL DOSE: When the system is noticeably fouled, add this product at the rate

QUALITY WAY, TREVOSE, PA 19053 BUSINESS PHONE: 215-355-3300 EMERGENCY (

Clam-Trol CT-2



BB301880



Clam-Trol CT-2

NET WT.: LBS.

LOT NO.

CUSTOMER PART NO.

Clam-Trol CT-2

PROPER SHIPPING NAME

CORROSIVE LIQUIDS,  
(QUATERNARY AMMONIUM  
ISOPROPANOL)  
UN 2920

# m-Trol CT-2

FOR CONTROL OF ALGAE AND ALGAL SLIME GROWTH IN WATER COOLING SYSTEMS

**DANGER** KEEP OUT OF REACH OF CHILDREN  
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 milk, egg whites, 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.

See left panel for additional precautionary statements.

EPA EST. NO.

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50.0Z  
100.0Z

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

Food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.  
 container. Keep from freezing.  
 y be mopped up or flushed away with water or absorbed on some absorbent material and incinerated.  
 acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation Federal Law. If these  
 according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste  
 nal Office for guidance.  
 ivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other  
 authorities.

**INDUSTRY AND COMMERCIAL RECIRCULATING COOLING WATER SYSTEMS**  
 ca, barnacles, hydrozoa, bryozoa and of of 0.15 to 0.65 pound (18 to 78 ppm) per 1000 gallons of water in the system. Repeat  
 orative condensers, heat exchange water until control is achieved.  
 towers, influent systems such as flow- SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.1 to  
 ter scrubbing systems and brewery 0.45 pound (12 to 36 ppm) per 1000 gallons of water in the system.

use of this product to irrigate crops used **FOR CONTROL OF BACTERIA AND FUNGI**  
 INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.1  
 ipal or single or multiple family private/ to 0.45 pound (12 to 36 ppm) per 1000 gallons of water in the system. Repeat until  
 is strictly prohibited. Use of this control is achieved.  
 ischarges effluent within 1/4 mile of SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.05 to 0.15  
 iple family private/residential potable/ pound (6 to 18 ppm) per 1000 gallons of water in the system.

is needed. The frequency of feeding and **FOR CONTROL OF MOLLUSCA, BARNACLES, HYDROZOA AND BRYOZOA**  
 the severity of the problem. Add this product at the rate of 0.016 to 0.166 pound (2 to 28 ppm) per 1000 gallons of  
 treatment is begun. water in the system. Maintain this concentration for 3 to 48 hours.

ALGAE  
 fouled, add this product at the rate  
 USE DIRECTIONS CONTINUED ON SECOND PANEL

215-355-3300 EMERGENCY (HEALTH OR ACCIDENT): 1-800-877-1940

Clam-Trol CT-2

PROPER SHIPPING NAME:

**CORROSIVE LIQUIDS, FLAMMABLE, N.D.S.**  
**(QUATERNARY AMMONIUM COMPOUND,**  
**ISOPROPANOL)**  
**UN 2920**

SPECIFIC HAZARD -		Clam-Trol CT-2	
4 - Severe		<b>HEALTH</b>	<b>3</b>
3 - Serious			
2 - Moderate			
1 - Slight			
0 - Minimal			
PERSONAL PROTECTION		<b>FLAMMABILITY</b>	<b>2</b>
X-ASK SUPERVISOR		<b>REACTIVITY</b>	<b>0</b>
A-SAFETY GLASSES			
B-GOGGLES, GLOVES			
C-GOGGLES, GLOVES, APRON			
D-GOGGLES, GLOVES, APRON, FACESHIELD		<b>PERSONAL PROTECTION</b>	<b>B</b>

ATTACH PANEL TWO HERE

# BETZ LABORATORIES, INC.

# Ciam-Tro

BETZ WATER MANAGEMENT GROUP

FOR CONTROL OF ALGAE  
SLIME GROWTH IN WATER  
SYSTEMS

USE DIRECTIONS CONTINUED FROM PANEL ONE  
ONCE-THROUGH  
INDUSTRIAL COOLING WATER SYSTEMS

This product aids in the control of mollusca, barnacles, hydrozoa, bryozoa and of algal, bacterial and fungal slimes in once-through fresh and sea water cooling systems, cooling ponds, canals and lagoons. This product may be added to the system inlet water or before any contaminated area in the system.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

### FOR THE CONTROL OF ALGAE, BACTERIA AND FUNGI

**INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.15 to 0.65 pound (18 to 78 ppm) per 1000 gallons of water based on the flow rate through the system. Minimum treatment intervals should be 15 minutes. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When control is evident, add this product at the rate of 0.1 to 0.45 pound (12 to 36 ppm) per 1000 gallons of water based on the flow rate through the system.

### FOR THE CONTROL OF MOLLUSCA, BARNACLES, HYDROZOA AND BRYOZOA

Add this product at the rate of 0.016 to 0.166 pound (2 to 20 ppm) per 1000 gallons of water based on the flow rate through the system. Maintain this concentration for 3 to 48 hours.

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and slime-forming  
and pump or screw  
storage tanks,  
canals and dispi

This product may  
of feed or spray  
Additions to wal  
possible to ensu

INTERMITTENT OR  
When treatment i  
gallons of water  
per week or as a  
at the the rate

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in EPA Lett

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Fungicide, and h  
amended, fo  
registered undi

3876-

CT2 9389

PANEL 2 OF 2

QUALITY WAY, TREVOSE, PA 19053 BUSINESS PHONE: 215-355-3300 EMERGENCY (

# n-TroicT-2

FOR CONTROL OF ALGAE AND ALGAL SLIME GROWTH IN WATER COOLING SYSTEMS

AUXILIARY WATER/SERVICE WATER AND WASTE WATER SYSTEMS

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rea in the

This product is effective for the control of mollusca, barnacles, hydrozoa, bryozoa and of odor-forming and slime-forming bacteria, fungi and algae in auxiliary water systems such as fire protection systems and pump or screen bags, waste water and waste material disposal, holding or recovery systems such as storage tanks, storage piles, associated piping, settling ponds or lagoons, transport spillways or canals and disposal wells.

This product may be added to the system water or by spraying onto a waste pile as needed. The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination. Additions to water systems should be made during the pumping operation and as close to the pump as possible to ensure adequate mixing.

to 0.65 pound  
in treatment

### INTERMITTENT OR SLUG METHOD

When treatment is required, add this product at the rate of 0.3 to 1.3 pounds (36 to 156 ppm) per 1000 gallons of water already in the system, or being added to the system, for 4 to 8 hours, 1 to 4 times per week or as needed to achieve the desired level of control. When control is obtained, add this at the the rate of 0.15 to 0.65 pounds (18 to 78 ppm) per 1000 gallons of water in the system.

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ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JUN 22 1994

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
3876-149

5-355-3300 EMERGENCY (HEALTH OR ACCIDENT): 1-800-877-1940

SPECIFIC HAZARD — 4 — Severe 3 — Serious 2 — Moderate 1 — Slight 0 — Minimal	HEALTH		
	FLAMMABILITY		
	REACTIVITY		
	PERSONAL PROTECTION		
PERSONAL PROTECTION X-ASK SUPERVISOR A-SAFETY GLASSES B-GOGGLES, GLOVES C-GOGGLES, GLOVES, APRON D-GOGGLES, GLOVES, APRON, FACESHIELD			