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Pr: 21  
3-75-145

Betz Laboratories, Inc.  
4636 Somerton Road  
Trevose, PA 19047

Attention: Mr. Kevin C. Manning

Gentlemen:

Subject: Slimicide C-74  
EPA Registration No. 3876-145  
Your Submission Dated February 4, 1988  
EPA Received Date March 3, 1988

The "Redesigned" and "Upgraded" label proposed is acceptable provided that you:

1. Assure us, by letter, that the appropriate "Contents Liquid" and "EPA Est. No." will appear on the final labels of the product when they leave the plant.
2. Make the labeling change listed below before you release the product for shipment bearing the new labeling:
  - Add the statement "See left side panel for additional precautionary statements" as a last line immediately following the statement "In case of ingestion immediately contact physician."
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure in meeting the final printed label submission requirements. In most cases the final label is the label that will be affixed to the container.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with section 6(e) of the Federal Insecticide, Fungicide, and Rodenticide Act. Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

50303:Lee:L-14·KENC0:8/23/88:9/1/88:CL:EK:CL

CONCURRENCES

| SYMBOL  |  |  |  |  |  |  |  |
|---------|--|--|--|--|--|--|--|
| SURNAME |  |  |  |  |  |  |  |
| DATE    |  |  |  |  |  |  |  |

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

If you have any questions concerning this letter, please call Mr. Edmond Proinski at (703) 557-7404.

Sincerely yours,

John H. Lee  
Product Manager (31)  
Disinfectants Branch  
Registration Division (TS-767C)

Enclosure

**BETZ®**  
**LABORATORIES, INC.**

# Slimicide

SLUG CONTROL AGENT

PRECAUTIONARY STATEMENTS  
 HAZARDS TO HUMANS AND  
 DOMESTIC ANIMALS

**DANGER**

CORROSIVE. CAUSES EYE AND SKIN IRRITATION. PAINFUL IF SWALLOWED. DO NOT GET INTO EYES, ON SKIN OR ON CLOTHING. DO NOT INHALE VAPOR OR MIST. USE WITH ADEQUATE VENTILATION. WEAR RUBBER GLOVES, GOGGLES OR FACE SHIELD WHEN HANDLING. IMMEDIATELY REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.

**ENVIRONMENTAL HAZARDS**

THIS PESTICIDE IS TOXIC TO FISH AND WILDLIFE. DO NOT DISCHARGE EFFLUENT CONTAINING THIS ACTIVE INGREDIENT INTO LAKES, STREAMS, PONDS, ESTUARIES, OCEANS, OR PUBLIC WATERS UNLESS THIS PESTICIDE IS SPECIFICALLY IDENTIFIED AND ADDRESSED IN AN NPDES PERMIT. DO NOT DISCHARGE EFFLUENT CONTAINING THIS PESTICIDE TO SEWER SYSTEMS WITHOUT PREVIOUSLY NOTIFYING THE SEWER TREATMENT PLANT AUTHORITY. FOR GUIDANCE CONTACT YOUR STATE WATER BOARD OR REGIONAL OFFICE OF THE EPA. APPLY THIS PESTICIDE ONLY AS SPECIFIED ON THIS LABEL.

**PHYSICAL AND CHEMICAL HAZARDS**

COMBUSTIBLE. DO NOT USE, POUR OR STORE NEAR HEAT OR OPEN FLAME.

**Active Ingredients:**

Dodecylguanidinium hydrochloride.....5.07

n-Alkyl (C12-14, C14-50Z, C16-10Z) **RECEIVED**

dimethylbenzyl ammonium chloride.....0.075

Inert Ingredients:.....in EPA Letter **100 AT**

Total.....**100.145**  
**AUG 29 1988**

CONTENTS: LIQUID

POUNDS PER GALLON: 8.5 (70F)

EPA REG. NO.: 3076-145

Classification: Insecticide,  
 Fungicide and Rodenticide-Act as  
 amended, for the pesticide  
 registered under EPA REG. NO.

**3876-145**

**DANGER**

KEEP O  
 STATEM

In case of contact with skin, wash immediately with soap and water. Contact physician.

In case of contact with eyes, flush immediately with water. Contact physician.

In case of ingestion, immediately contact physician.

Necrotic damage may contraindicate artificial respiration. Contact physician. Material Safety Data Sheet available upon request.

**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 container tightly closed. Protect from freezing. Store in a dry place. Do not store in areas where children or pets can have access.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide may be disposed of by incineration, or by other means approved by the Federal Government, State or local authorities. Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest office.

**CONTAINER DISPOSAL: METAL AND PLASTIC CONTAINERS:** Triple rinse (or equivalent). Then offer for recycling, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of the fumes.

**FIBER DRUMS WITH LINERS:** Completely empty liner by shaking and tapping sides and bottom to dislodge residue. Dispose of liner and drum in a sanitary landfill or incinerate if allowed by state and local authorities.

**RECIRCULATING COOLING**

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

**SURSEQUE**

**1.5 post**

**needed 1**

This product may be added to the systems either continuously or intermittently or as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the problem.

**CONTINUM**

**INITIAL**

**0.3 to 1**

**BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

**SUBSEQUE**

**pound (1**

FOR THE CONTROL OF  
 MOLLUSCA, BACTERIA, FUNGI AND ALGAE

NET WT. : \_\_\_\_\_ LBS.  
 LOT NO. \_\_\_\_\_

INTERMITTENT OR SLUG METHOD

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

**BETZ<sup>®</sup>**  
**LABORATORIES, INC.**

# Slimicide C-74

SLIME CONTROL AGENT

AUXILIARY WATER  
AND WASTE WATER SYSTEMS

USE DIRECTIONS CONTINUED FROM PANEL ONE

## ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS

This product aids in the control of mollusca and of algal, bacterial and fungal slimes in once-through and closed-cycle 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. Addition of this product should be made with a metering pump; it may be continuous or intermittent depending upon the severity of contamination when treatment is begun, and the retention time in the system.

**BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

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

### INTERMITTENT OR SLUG METHOD

**INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.2 to 1.0 pound (24 to 120 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 0.05 to 0.5 pound (6 to 60 ppm) per 1000 gallons of water based on the flow rate through the system intermittently as needed to maintain control.

### CONTINUOUS FEED METHOD

**INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.2 to 1.0 pound (24 to 120 ppm) per 1000 gallons of water based on the flow rate through the system. Continue until control is achieved.

**SUBSEQUENT DOSE:** When control is evident, pump a continuous feed of this product at the rate of 0.02 to 0.2 pound (2.4 to 24 ppm) per 1000 gallons of water based on the flow rate through the system.

This product is effective for the control of mollusca and of odor-forming and slime-forming bacteria, fungi and algae in auxiliary water systems such as fire protection systems and pond 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 by slug or intermittent feed or by spraying onto a waste pile. 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.

### INTERMITTENT OR SLUG METHOD

When treatment is required, add this product at the rate of 1.5 to 4.0 pounds 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 product at the rate of 0.75 to 2.0 pounds per 1000 gallons of water in the system.

## ENHANCED OIL RECOVERY SYSTEMS

For controlling slime-forming bacteria, sulfide-producing bacteria, yeasts and fungi in oil field water polymer or mycelial floods, water disposal systems, or other oil field water systems, add this product at the rate of 30 to 495 ppm (10 lbs to 165 lbs per 1000 barrels of water) depending upon the severity of contamination. Additions of this product should be made with a metering pump either continuously or intermittently.

Addition of this product may be made at the free water knockouts, before or after the injection pumps and injection well headers.

### INTERMITTENT OR SLUG METHOD

When the system is noticeably fouled, or to maintain control of the system, add this product at the rate of 30 to 495 ppm (10 to 165 lbs this product per 1000 barrels of water) intermittently for 4 to 8 hours per day, and from 1 to 4 times per week or as needed depending on the severity of contamination.

### CONTINUOUS FEED METHOD

When the system is noticeably fouled, add this product at the rate of 30 to 495 ppm (10 lbs to 165 lbs per 1000 barrels of water) continuously until the desired degree of control is achieved. Subsequently,

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