

BETZ
LABORATORIES, INC.

Slimicide C-74

SLIME CONTROL AGENT

In Accordance with Federal Regulations

**PRECAUTIONARY STATEMENT
HARMFUL TO HUMANS AND
DOMESTIC ANIMALS**

DANGER
CORROSIVE CAUSES EYE AND SKIN DAMAGE WASH
FULL 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 CON-
TAMINATED CLOTHING BEFORE REUSE WASH THOR-
OUGHLY 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 DIS-
CHARGE EFFLUENT CONTAINING THIS PESTICIDE TO
SEWER SYSTEMS WITHOUT PREVIOUSLY NOTIFYING
THE SEWAGE TREATMENT PLANT AUTHORITY FOR
GUIDANCE CONTACT YOUR STATE WATER BOARD OR
REGIONAL OFFICE OF THE EPA APPLY THIS PES-
TICIDE ONLY AS SPECIFIED ON THIS LABEL

PHYSICAL AND CHEMICAL HAZARDS
DO NOT USE, POUR OR STORE NEAR HEAT OR
OPEN FLAME

Active Ingredients	
Dodecylguanidine hydrochloride	5 G.
N-Alkyl (C12-14), (C14-16), (C16-18)	
dimethylbenzyl ammonium chloride	8 G.
Inert Ingredients	
	87 G.
Total	100 G.

CONTENTS LIQUID
POUNDS PER GALLON 8.5 (70F)
EPA REG. NO. 3876-195

DANGER KEEP OUT OF REACH OF CHILDREN
STATEMENT OF PREVENTIVE TREATMENT
In case of contact with skin, wash immediately with plenty of soap and water. Immediately contact
physician.
In case of contact with eyes, flush promptly and thoroughly with clear water for at least 15 minutes.
Immediately contact physician.
In case of ingestion, immediately contact physician.
See left side panel for additional precautionary statements.
NOTE TO PHYSICIAN: Mucosal damage may contraindicate the use of gastric lavage. Measures against cir-
culatory shock, respiratory depression and convulsion may be needed.
A Material Safety Data Sheet containing more detailed information relative to this product is 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 at elevated temperatures.
PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous and/or toxic. Improper disposal of excess
pesticide, spray mixture, or rinseate 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.
CONTAINER DISPOSAL: METAL AND PLASTIC CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary
landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.
FIBER DRUMS WITH LINERS: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then
dispose of liner and drum in a sanitary landfill or incinerate, if allowed by state and local authorities. Do not reuse empty drum or liner.

FOR THE CONTROL OF
MOLLUSCA, BARNACLES, HYDROZOA, BRYOZOA, BACTERIA, FUNGI AND ALGAE

This product aids in the control of mollusca, barnacles, hydrozoa, bryozoa 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.
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.

FEDERAL REGISTERING COOLING WATER SYSTEMS

SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.15 to
1.5 pounds (18 to 180 ppm) per 1000 gallons of water in the system every 3 days or as
needed to maintain control.

CONTINUOUS FEED METHOD
INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of
0.3 to 2.0 pounds (36 to 240 ppm) per 1000 gallons of water in the system.

SUBSEQUENT DOSE: Continuously feed this product to maintain a dosage of 0.05 to 0.5
pound (6 to 60 ppm) per 1000 gallons of water in the system.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

PATENT PENDING FOR USE AS A MOLLUSCIDICIDE

NET WT. : _____ LBS.
LOT NO. _____
FOR INDUSTRIAL USE: Technical advice regarding
specific site problems is available from BETZ
C74 8810 PANEL 1 OF 2

INTERMITTENT OR SLUG METHOD
INITIAL DOSE: When the system is noticeably fouled, add this product at the rate
of 0.3 to 2.0 pounds (36 to 240 ppm) per 1000 gallons of water in the system.
Repeat until control is achieved.

USE DIRECTIONS CONTINUED ON SECOND PANEL

TREVOSE, PA 19047 BUSINESS PHONE: 215-355-3300 EMERGENCY (HEALTH OR ACCIDENT): 215-355-3300

Slimicide **C-74**
NET WT _____ LBS.
LOT NO _____
CUSTOMER PART NO _____

Slimicide C-74
PROPER SHIPPING NAME
CORROSIVE LIQUID N. O. S.

UN 1760

SPECIFIC HAZARD -- 4 -- Severe 3 -- Serious 2 -- Moderate 1 -- Slight 0 -- Minimal	Slimicide C-74	HEALTH	3
PERSONAL PROTECTION 1. ASK SUPERVISOR A. SAFETY GLASSES B. GOGGLES GLOVES C. GOGGLES GLOVES APRON D. GOGGLES GLOVES APRON FACESHIELD		FLAMMABILITY	2
		REACTIVITY	0
		PERSONAL PROTECTION	D

ATTACH PANEL TWO HERE

BETZ®
LABORATORIES, INC.

Slimicide C-74

SLIME CONTROL AGENT

3876-145 PM 31

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS

DANGER

CORROSIVE. CAUSES EYE AND SKIN DAMAGE. HARMFUL 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 SEWAGE 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

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

Active Ingredients

Dodecylguanidine hydrochloride	5.0%
N-Alkyl (C12-40%, C14-50%, C16-10%) dimethylbenzyl ammonium chloride	8.0%
Inert Ingredients	87.0%
Total	100.0%

CONTENTS LIQUID

POUNDS PER GALLON 8.5 (70F)

EPA REG NO 3876-145

EPA EST NO

DANGER

KEEP OUT OF REACH OF CHILDREN.
STATEMENT OF PRACTICAL TREATMENT

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

In case of contact with eyes, flush promptly and thoroughly with clear water for at least 15 minutes. Immediately contact physician.

In case of ingestion, immediately contact physician.

See left side panel for additional precautionary statements.

NOTE TO PHYSICIAN: Mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

A Material Safety Data Sheet containing more detailed information relative to this product is 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 at elevated temperatures.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous and/or toxic. 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.

CONTAINER DISPOSAL METAL AND PLASTIC CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate or burn, if allowed by state and local authorities. If burned, stay out of smoke.

FIBER DRUMS WITH LINERS: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner and drum in a sanitary landfill or incinerate if allowed by state and local authorities. Do not reuse empty drum or liner.

RECIRCULATING COOLING WATER 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 system, commercial and industrial cooling towers, influent systems such as flow through filters and lagoons, industrial water scrubbing systems and brewery pasteurizers.

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.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.15 to 1.5 pounds (18 to 180 ppm) per 1000 gallons of water in the system every 3 days or as needed to maintain control.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.3 to 2.0 pounds (36 to 240 ppm) per 1000 gallons of water in the system.

SUBSEQUENT DOSE: Continuously feed this product to maintain a dosage of 0.05 to 0.5 pound (6 to 60 ppm) per 1000 gallons of water in the system.

FOR THE CONTROL OF
MOLLUSCA, BARNACLES, HYDROZOA, BRYOZOA, BACTERIA, FUNGI AND ALGAE

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.3 to 2.0 pounds (36 to 240 ppm) per 1000 gallons of water in the system.

Repeat until control is achieved.

PATENT PENDING FOR USE AS A MOLLUSICIDE

NET WT. : LBS.

LOT NO.

FOR INDUSTRIAL USE: Technical advice regarding specific site problems is available from BETZ. C21EPA 8810 PAGE 1 OF 2

BETZ[®]
LABORATORIES, INC.

Slimecide C-74
SLIME CONTROL AGENT

2052

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 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.

NOTE: FOULED SYSTEMS must be cleaned before treatment is begun.

**FOR THE CONTROL OF
MOLLUSCA, BARNACLES, HYDROZOA, BRYOZOA, 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.

**AUXILIARY WATER
AND WASTE WATER SYSTEMS**

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 pumps 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 mycellar floods, water disposal systems, or other oil field water systems, add this product at the rate of 90 to 495 ppm (30 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 90 to 495 ppm (30 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 90 to 495 ppm (30 lbs to 165 lbs per 1000 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with this product at the rate of 90 to 180 ppm (30 lbs to 60 lbs per 1000 barrels of water) con-

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