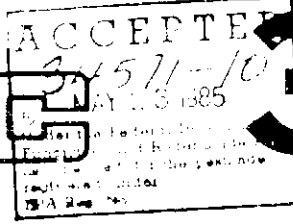


# BETZ ENTEC 345A



## Slime Control Agent

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS **DANGER**

CAUSES SEVERE BURNS OF EYES.  
EYE CONTACT MAY CAUSE LOSS OF VISION.  
MAY BURN THE SKIN. MAY BE HARMFUL  
OR FATAL IF SWALLOWED.

Do not take internally. Do not get into eyes, on skin or on clothing. Chemical workers' goggles must be worn when handling. Do not inhale vapor or mist. Use with adequate ventilation. Immediately remove and wash contaminated clothing before reuse. Wash thoroughly after handling.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge treated effluent into lakes, streams, bays, or public water, unless in accordance with a NPDES permit. For guidance contact your Regional Office of the EPA. Do not contaminate water by cleaning of container and equipment or disposal of wastes. Apply this product only as specified on this label.

### DIRECTIONS FOR USE

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

NOTE: Add BETZ Entec 345A separately to the system. Do NOT mix it with other additives in order to avoid decomposition of BETZ Entec 345A due to the high pH of many additive formulations.

### RECIRCULATING COOLING WATER SYSTEMS

BETZ Entec 345A aids in the control 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.

Add BETZ Entec 345A to the system at any point to insure uniform mixing. This product may be added to the system either continuously or intermittently or as needed. The frequency of feeding and duration of the treatment will depend upon the severity of contamination. Optimum performance with this product is obtained by continuous or intermittent treatment. If "shock" treatment is used, blowdown should be discontinued for 24 to 48 hours.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

(Directions for Use continued on third panel.)

ENTEC022, 8502

Contents: LIQUID	
Active Ingredient:	
2,2-Dibromo-3-nitropropionamide	5.0%
Inert Ingredients*	95.0%
Total	100.0%
*Inert ingredients include solubilizing and dispersing agents.	
EPA Reg. No. 34571-10	
WEIGHT PER GALLON OF PRODUCT	
9.6 Pounds (75F)	
NET WEIGHT OR VOLUME	
AS MARKED ON CONTAINER	

### KEEP OUT OF REACH OF CHILDREN

### DANGER

### 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 plenty of clear water for at least 15 minutes. Immediately contact physician.

In case of ingestion, immediately induce vomiting by giving two glasses of water and sticking finger down throat. Repeat until vomit is clear. Immediately contact physician. Never give anything by mouth to an unconscious person.

A Material Safety Data Sheet containing more detailed information relative to this product is available upon request.

See left panel for additional Precautionary Statements.

### FOR CONTROL OF BACTERIA

Add BETZ Entec 345A at the rate of 0.018 to 0.36 lb. (2.1 to 43 ppm) per 1000 gals. of water in the system, depending upon the severity of contamination.

#### INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add BETZ Entec 345A at the rate of 0.18 to 0.36 lb. (2.1 to 43 ppm) per 1000 gals. of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When immediate control is evident, add BETZ Entec 345A at the rate of 0.09 to 0.36 lb. (2.1 to 43 ppm) per 1000 gals. 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 BETZ Entec 345A at the rate of 0.18 to 0.36 lb. (2.1 to 43 ppm) per 1000 gals. of water in the system.

SUBSEQUENT DOSE: Continuously feed BETZ Entec 345A at the rate of 0.09 to 0.18 lb. (2.1 to 21 ppm) per 1000 gals. of water in the system.

### FOR CONTROL OF FUNGI AND ALGAE

Add BETZ Entec 345A at the rate of 0.18 to 0.36 lb. (2.1 to 43 ppm) per 1000 gals. of water in the system, depending upon the severity of contamination.

#### INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add BETZ Entec 345A at the rate of 0.18 to 0.36 lb. (2.1 to 43 ppm) per 1000 gals. of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When rapid control is evident, add BETZ Entec 345A at the rate of 0.18 to 0.36 lb. (2.1 to 43 ppm) per 1000 gals. of water daily or as needed to maintain control.

#### CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, add BETZ Entec 345A at the rate of 0.18 to 0.36 lb. (2.1 to 43 ppm) per 1000 gals. of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: Continuously feed BETZ Entec 345A at the rate of 0.18 to 0.36 lb. (2.1 to 43 ppm) per 1000 gals. of water in the system.

### ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS

For controlling bacteria, fungi and algae in once-through industrial fresh and sea water cooling systems, cooling ponds, canals, and rivers, add BETZ Entec 345A to the systems before water is fed into any other contamination tank in the system. A solution of BETZ Entec 345A should be made with a metering pump, directly to the water, or added manually, depending upon the severity of the contamination and the treatment method required, and the retention time in the system.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

### FOR CONTROL OF BACTERIA

Add BETZ Entec 345A at the rate of 0.018 to 0.36 lb. (2.1 to 43 ppm) per 1000 gals. of water in the system, depending upon the severity of contamination.

#### INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add BETZ Entec 345A at the rate of 0.18 to 0.36 lb. (2.1 to 43 ppm) per 1000 gals. of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When immediate control is evident, add BETZ Entec 345A at the rate of 0.09 to 0.36 lb. (2.1 to 43 ppm) per 1000 gals. of water in the system every 3 days or as needed to maintain control.

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**SUBSEQUENT DOSE:** When microbial control is evident, add BETZ Entec 345A at the rate of 0.1 to 0.4 lb (12 to 48 ppm) per 1000 gals of water intermittently as needed to maintain control.

#### CONTINUOUS FEED METHOD

**INITIAL DOSE:** When the system is noticeably fouled, add BETZ Entec 345A at the rate of 0.2 to 0.4 lb (24 to 48 ppm) per 1000 gals of water continuously to the system.

**SUBSEQUENT DOSE:** When microbial control is evident, pump a continuous feed of BETZ Entec 345A at the rate of 0.04 to 0.2 lb (4 to 24 ppm) per 1000 gals of water based on the flow rate through the system.

#### FOR CONTROL OF FUNGI AND ALGAE

Add BETZ Entec 345A at the rate of 1.2 to 4.0 lbs (144 to 480 ppm) per 1000 gals of water based on the flow rate through the system, depending upon the severity of contamination.

#### INTERMITTENT METHOD

**INITIAL DOSE:** When the system is noticeably fouled, add BETZ Entec 345A at the rate of 2.0 to 4.0 lbs (240 to 480 ppm) per 1000 gals of water. Minimum treatment intervals should be 15 minutes. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When microbial control is evident, add BETZ Entec 345A at the rate of 1.2 to 4.0 lbs (144 to 480 ppm) per 1000 gals of water intermittently or as needed to maintain control.

#### CONTINUOUS FEED METHOD

**INITIAL DOSE:** When the system is noticeably fouled, add BETZ Entec 345A at the rate of 2.0 to 4.0 lbs (240 to 480 ppm) per 1000 gals of water.

**SUBSEQUENT DOSE:** When microbial control is evident, pump a continuous feed of BETZ Entec 345A at the rate of 1.2 to 4.0 lbs (144 to 480 ppm) per 1000 gals of water based on the flow rate through the system.

### AIR WASHERS

For use only in industrial air washer systems that maintain effective mist eliminating components.

BETZ Entec 345A controls slime-forming bacteria and fungi in industrial air washer systems. Add BETZ Entec 345A at the rate of 0.075 to 2.4 lbs (9 to 288 ppm) per 1000 gals of water in the system, depending upon the severity of contamination.

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

#### INTERMITTENT OR SLUG METHOD

**INITIAL DOSE:** When the system is noticeably fouled, add BETZ Entec 345A at the rate of 1.5 to 2.4 lbs (180 to 288 ppm) per 1000 gals of water in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When microbial control is evident, add BETZ Entec 345A at the rate of 0.075 to 1.2 lbs (9 to 144 ppm) per 1000 gals of water in the system every 2 days or as needed to maintain control.

#### CONTINUOUS FEED METHOD

**INITIAL DOSE:** When the system is noticeably fouled, add BETZ Entec 345A at the rate of 1.5 to 2.4 lbs (180 to 288 ppm) per 1000 gals of water in the system.

**SUBSEQUENT DOSE:** Maintain this level by a continuous feed of BETZ Entec 345A at the rate of 0.075 to 1.2 lbs (9 to 144 ppm) per 1000 gals of blowdown (or water loss) from the system.

### METAL-WORKING CUTTING FLUIDS CONTAINING WATER

BETZ Entec 345A is effective in metal-working fluid concentrates which have been diluted in water at ratios of 1:100 to 1:4. For controlling (or inhibiting) the growth of bacteria, fungi, and yeasts that may deteriorate metal-working fluids containing water, add BETZ Entec 345A to the fluid in the collection tank. Additions should be made with a metering pump.

**INITIAL OR SLUG DOSE:** When the system is noticeably fouled, add BETZ Entec 345A at the rate of 1050 lbs (1.1 gals) per 1000 gals of metal-working fluid in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When microbial control is evident, add BETZ Entec 345A at the rate of 4.2 to 8.45 lbs (0.44 to 0.88 gal) per 1000 gals of metal-working fluid per day or as needed to maintain control. Additions of BETZ Entec 345A can be made continuously or intermittently. Slug it if the system as required.

### STORAGE AND DISPOSAL

**STORAGE:** Keep container tightly closed. Protect from freezing. Store in a dry place. Do not store at elevated temperatures.

**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.

**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 COMMERCIAL AND INDUSTRIAL USE ONLY:** Technical advice regarding specific site problems is available from BETZ Entec, Inc.