

20000000
34571-10

BETZ ENTEC 345A

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, Infilco units, filters, lagoons, etc., 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.

FOR CONTROL OF BACTERIA AND FUNGI

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add 0.18 to 0.36 pound to 1000 gallons or 21 to 43 parts per million of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add 0.09 to 0.36 pound to 1000 gallons or 10 to 43 parts per million 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 0.18 to 0.36 pound to 1000 gallons or 21 to 43 parts per million of water in the system.

SUBSEQUENT DOSE: Continuously feed to maintain a dosage of 0.018 to 0.18 pound to 1000 gallons or 2.1 to 21 parts per million of water in the system.

FOR CONTROL OF ALGAE

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add 1.84 to 3.65 pounds to 1000 gallons or 221 to 438 parts per million of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When algal control is evident add 1.11 to 3.65 pounds to 1000 gallons daily or 133 to 438 parts per million daily or as needed to maintain control.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, add 1.84 to 3.65 pounds to 1000 gallons or 221 to 438 parts per million of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: Continuously feed to maintain a dosage of 1.11 to 3.65 pounds to 1000 gallons or 133 to 438 parts per million of water in the system.

Directions for use continued on right panel.

Contents: LIQUID

Active Ingredient:
2, 2-dibromo-3-nitropropionamide 5%

Inert Ingredients* 95%

Net weight 9.6 lbs. per gallon at 75°F.

*Inert ingredients include solubilizing and dispersing agents

EPA REGISTRATION NO. 34571-10

EPA Est. No. 464-MI-1

NET WEIGHT AND VOLUME

As Marked on Container

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 get in Eyes, on Skin, or on Clothing. Chemical Worker's Goggles Must be Worn When Handling. Do not inhale vapor or fumes.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge treated effluent into lakes, streams, ponds 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.

**KEEP CONTAINER TIGHTLY CLOSED
WHEN NOT IN USE. KEEP FROM
FREEZING. DO NOT STORE
AT ELEVATED TEMPERATURES.**

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

In case of contact with skin, wash well with soap and plenty of water.

In case of contact with eyes, flush eyes immediately with plenty of water for at least 15 minutes and get medical attention.

If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Repeat until vomit is clear. Immediately contact physician.

Wash contaminated clothing before reuse.

Wash thoroughly after handling.

Manufactured for BETZ ENTEC, Inc.
Horsham, Pennsylvania 19044

ONCE THROUGH INDUSTRIAL COOLING WATER SYSTEMS

For controlling bacteria, fungi, and algae in once-through and closed-cycle fresh and sea water cooling systems, cooling ponds, canals, and lagoons, add BETZ Entec 345A to the system's inlet water or before any other contaminated area in the system. Addition should be made with a metering pump, if may be continuous or intermittent depending on the severity of the contamination when treatment is begun, and the retention time in the system.

FOR CONTROL OF BACTERIA

Add 4 to 48 ppm BETZ Entec 345A based on the flow rate through the system, depending on the severity of contamination.

INTERMITTENT METHOD

INITIAL DOSE When the system is noticeably fouled, add 24 to 48 ppm BETZ Entec 345A. Minimum treatment intervals should be 15 minutes. Repeat until control is achieved.

SUBSEQUENT DOSE When microbial control is evident, add 12 to 48 ppm BETZ Entec 345A intermittently as needed to maintain control.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

INITIAL DOSE When the system is noticeably fouled, add 24 to 48 ppm BETZ Entec 345A continuously to the system.

SUBSEQUENT DOSE When microbial control is evident, pump a continuous feed of 4 to 24 ppm BETZ Entec 345A to the system.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

FOR CONTROL OF FUNGI AND ALGAE

Add 144 to 472 ppm BETZ Entec 345A based on the flow rate through the system, depending on the severity of contamination.

INTERMITTENT METHOD

INITIAL DOSE When the system is noticeably fouled, add 240 to 472 ppm BETZ Entec 345A to the system. The minimum treatment interval should be 15 minutes. Repeat until control is achieved.

SUBSEQUENT DOSE When microbial control is evident, add 144 to 472 ppm BETZ Entec 345A to the system daily or as needed to maintain control. The minimum treatment interval should be 15 minutes.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

INITIAL DOSE When the system is noticeably fouled, add 240 to 472 ppm BETZ Entec 345A to the system.

SUBSEQUENT DOSE When microbial control is evident, pump a continuous feed of 144 to 472 ppm BETZ Entec 345A to the system.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

AIR WASHERS

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

BETZ Entec 345A is effective in controlling bacteria, fungi, and algae in once-through and closed-cycle fresh and sea water systems.

Add 0.0078 to 0.250 gallons (0.075 to 2.4 lbs) BETZ Entec 345A per 1,000 gallons of water in the system, depending upon the severity of contamination.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE When the system is noticeably fouled, add 0.156 to 0.250 gallons (1.5 to 2.4 lbs) BETZ Entec 345A per 1,000 gallons of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE When microbial control is evident, add 0.078 to 0.125 gallons (0.075 to 1.2 lbs) BETZ Entec 345A per 1,000 gallons of water in the system every 2 days or as needed to maintain control.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

INITIAL DOSE When the system is noticeably fouled, add 0.156 to 0.250 gallons (1.5 to 2.4 lbs) BETZ Entec 345A per 1,000 gallons of water in the system.

SUBSEQUENT DOSE Maintain this level by a continuous feed of 0.0078 to 0.125 gallons (0.075 to 1.2 lbs) BETZ Entec 345A per 1,000 gallons of water in the system per day.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

METAL WORKING CUTTING FLUIDS

CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:100-1:4. For controlling (or inhibiting) the growth of bacteria, fungi, and yeasts that may deteriorate metalworking fluids containing water, add BETZ Entec 345A to the fluid in the collection tank.

INITIAL OR SLUG DOSE When the system is noticeably fouled, add 1.1 gal (10.50 lbs) BETZ Entec 345A per 1000 gals of metalworking fluid in the system. Repeat until control is achieved.

SUBSEQUENT DOSE When microbial control is evident, add 0.44 to 0.88 gal (4.22 to 8.45 lbs) BETZ Entec 345A per 1000 gals of metalworking fluid per day or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Pesticide or rinsate that cannot be used or chemically reprocessed should be disposed of in a safe place away from water supplies.

Triple rinse the container or equivalent method before sending to drum conditioner or destroying by perforation or crushing and burying in a safe place. Consult Federal, state or local authorities for approved alternative procedures.

FOR INDUSTRIAL USE ONLY

Technical advice regarding specific site problems available from BETZ ENTEC, INC.