

34571-10

04/23/2004

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Washington, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

April 23, 2004

Kevin C. Manning  
Manager, Biocide Registration  
GE Betz, Inc.  
4636 Somerton Road  
Trevose, PA 19053

Subject: Betz Entec 345A  
EPA Registration No. 34571-10  
Application Date: January 30, 2004  
EPA Received Date: February 4, 2004

Dear Mr. Manning:

The following amendment, submitted under connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FFIRA), as amended, is acceptable with the conditions listed below:

**Proposed Amendment**

- Update First Aid Statements

**Conditions**

Revise the label as follows:

1. Separate the PPE paragraph from the Precautionary Statement paragraph.
2. Revise the First Aid Statements to include the following:

"Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage."

**CONCURRENCES**

SYMBOL	7510c							
SURNAME	Shay							
DATE	4-23-04							

**General Comments**

A stamped copy of the labeling accepted with conditions is enclosed. Submit three(3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Should you have any questions or comments concerning this letter, please contact me at 703-308-6422.

Sincerely,



Adam Heyward  
Product Manager 34  
Regulatory Management Branch II  
Antimicrobials Division (7510 C)



# GE Betz

Lot Number:

Material ID: 6007690

Net Weight:

Packaging Date: 02/01/2004

Wash:

Made in USA

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	B

# BETZ ENTEC 345A

ACCEPTED  
with COMMENTS  
EPA Letter Dated  
APR 23 2004

34571-10  
The Federal Insecticide,  
Fungicide and Rodenticide Act as  
amended, for the pesticide,  
as listed in the EPA Reg. No.

## PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### DANGER PELIGRO

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 in eyes, on skin or on clothing. Chemical worker's goggles must be worn when handling. Use with adequate ventilation. Immediately remove and wash contaminated clothing before reuse. Wash thoroughly after handling. Personal Protective Equipment (PPE): Applicators and all other handlers must wear: Coveralls over long-sleeved shirt and long pants. Socks and chemical resistant footwear. Goggles or face shield. Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton. Respirator with an organic vapor removing cartridge with a pre filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans 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.

ACTIVE INGREDIENT:  
2,2-Dibromo-3-nitropropionamide ..... 5.0%  
INERT INGREDIENTS\* ..... 95.0%  
TOTAL ..... 100.0%

\*Inert ingredients include solubilizing and dispersing agents.

CONTENTS: LIQUID  
POUNDS PER GALLON: 9.6 (75°F)

EPA REGISTRATION NUMBER: 34571-10

EPA ESTABLISHMENT NUMBER: 3876-PA-001

### KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

#### User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## FIRST AID

If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
If swallowed	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER: 1-800-222-1222

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-877-1940 for emergency medical treatment information.

## STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE: Keep container tightly closed. Store in a cool, dry well-ventilated place. Do not store at elevated temperatures.

PESTICIDE DISPOSAL Pesticide wastes are acutely hazardous. 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 Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GE Betz, Inc., 4636 Somerton Road, Trevose, PA, 19053  
Business Phone: 215-355-3300 • Emergency Phone: 800-877-1940



# GE Betz

Made in USA

GEN 0110 - 2/1/04

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	R

# BETZ ENTEC 345A

## SLIME CONTROL AGENT

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### RECIRCULATING COOLING WATER SYSTEMS

**NOTE:** Add this product separately to the system. Do NOT mix it with other additives in order to avoid decomposition of this product due to the high pH of many additive formulations. This product aids in the control of bacterial, algal and fungal 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 this product 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 attained 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.

**FOR CONTROL OF BACTERIA:** Add this product at the rate of 0.018 to 0.36 lb. (2.1 to 43 ppm) per 1000 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 this product at the rate of 0.18 to 0.36 lb. (21 to 43 ppm) per 1000 gallons of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.09 to 0.36 lb. (10 to 43 ppm) per 1000 gallons of water in the system every 4 days as needed to maintain control.

**CONTINUOUS FEED METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.18 to 0.36 lb. (21 to 43 ppm) per 1000 gallons of water in the system. **SUBSEQUENT DOSE:** Continuously feed this product to maintain a dosage of 0.018 to 0.18 lb. (2.1 to 21 ppm) per 1000 gallons of blowdown (or water loss) from the system.

**FOR CONTROL OF FUNGI AND ALGAE:** Add this product at the rate of 1.11 to 3.65 lbs. (133 to 438 ppm) per 1000 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 this product at the rate of 1.84 to 3.65 lbs. (221 to 438 ppm) per 1000 gallons of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When algal control is evident, add this product at the rate of 1.11 to 3.65 lbs. (133 to 438 ppm) per 1000 gallons of water daily or as needed to maintain control.

**CONTINUOUS FEED METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 1.84 to 3.65 lbs. (221 to 438 ppm) per 1000 gallons of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** Continuously feed this product to maintain a dosage of 1.11 to 3.65 lbs. (133 to 438 ppm) per 1000 gallons of blowdown (or water loss) from the system.

### 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 this product to the systems' inlet water or before any other 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 the 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 BACTERIA:** Add this product at the rate of 0.04 to 0.41 lb. (4 to 48 ppm) per 1000 gallons 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 this product at the rate of 0.2 to 0.4 lb. (24 to 48 ppm) per 1000 gallons of water. Minimum treatment intervals should be 15 minutes. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.1 to 0.4 lb. (12 to 48 ppm) per 1000 gallons of water 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 0.4 lb. (24 to 48 ppm) per 1000 gallons of water continuously to the system. **SUBSEQUENT DOSE:** When microbial control is evident, pump a continuous feed of this product at the rate of 0.04 to 0.2 lb. (4 to 24 ppm) per 1000 gallons of water based on the flow rate through the system.

**FOR THE CONTROL OF FUNGI AND ALGAE:** Add this product at the rate of 1.2 to 4.0 lbs. (144 to 480 ppm) per 1000 gallons of water 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 this product at the rate of 2.0 to 4.0 lbs. (240 to 480 ppm) per 1000 gallons of water. Minimum treatment intervals should be 15 minutes. Repeat until control is achieved.

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

**CONTINUOUS FEED METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 2.0 to 4.0 lbs. (240 to 480 ppm) per 1000 gallons of water. **SUBSEQUENT DOSE:** When microbial control is evident, pump a continuous feed of this product at the rate of 1.2 to 4.0 lbs. (144 to 480 ppm) per 1000 gallons of water based on the flow rate through the system.

### METAL-WORKING CUTTING FLUIDS CONTAINING WATER

This product is effective in metal-working fluid concentrated 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 this product 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 this product at the rate of 10.50 lbs. (1.1 gallons) per 1000 gallons of metal-working fluid in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 4.22 to 8.45 lbs. (0.44 to 0.88 gallon) per 1000 gallons of metal-working fluid per day, or as needed to maintain control. Additions of this product can be made continuously or intermittently. Slug the system as required.

### AIR WASHERS

For use only in industrial air washer systems that maintain effective mist eliminating components. This product controls slime-forming bacteria and fungi in industrial air washer systems. Add this product at the rate of 0.075 to 2.4 lbs. (9 to 288 ppm) per 1000 gallons of water in the system, depending upon the severity of contamination. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

**INTERMITTENT OR SLUG METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 1.5 to 2.4 lbs. (180 to 288 ppm) per 1000 gallons of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.075 to 1.2 lbs. (9 to 144 ppm) per 1000 gallons 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 this product at the rate of 1.5 to 2.4 lbs. (180 to 288 ppm) per 1000 gallons of water in the system. **SUBSEQUENT DOSE:** Maintain this level by a continuous feed of this product at the rate of 0.075 to 1.2 lbs. (9 to 144 ppm) per 1000 gallons of blowdown (or water loss) from the system.

### NON-POTABLE REVERSE OSMOSIS SYSTEMS

For controlling bacteria, fungi and algae slimes in non-potable REVERSE OSMOSIS systems and peripheral equipment, add this product to the system inlet water or before any other contaminated area ahead of the REVERSE OSMOSIS unit. This product should be added with a metering pump on an intermittent basis depending on the severity of contamination and the guidelines specified by the membrane manufacturer for this product. Add this product at the rate of 0.04 to 4.0 lbs. (4 to 480 ppm) per 1000 gallons of feedwater. During use of this product both permeate and reject waters should be directed to the drain. Once treatment is completed, rinsing with feedwater should continue until conductivity valves in the permeate are at or below values before treatment with this product. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

**FOR THE CONTROL OF BACTERIA - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.2 to 0.4 lb. (24 to 48 ppm) per 1000 gallons of feedwater. Minimum treatment intervals should be 15 minutes. Repeat until control is achieved or as specified by guidelines recommended by the membrane manufacturer. **SUBSEQUENT DOSE:** When microbial control is achieved, add this product at the rate of 0.1 to 0.4 lb. (12 to 48 ppm) per 1000 gallons of feedwater as needed to maintain control or as specified by guidelines recommended by the membrane manufacturer.

**FOR THE CONTROL OF FUNGI AND ALGAE - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 2.0 to 4.0 lbs. (240 to 480 ppm) per 1000 gallons of feedwater. Minimum treatment intervals should be 15 minutes. Repeat until control is achieved or as specified by guidelines recommended by the membrane manufacturer. **SUBSEQUENT DOSE:** When microbial control is achieved, add this product at the rate of 1.2 to 4.0 lbs. (144 to 480 ppm) per 1000 gallons of feedwater as needed to maintain control or as specified by guidelines recommended by the membrane manufacturer.

Lot Number:

Material ID: 6007690

Packaging Date: 02/01/2004

Net Weight:

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Business Phone: 215-355-3300 • Emergency Phone: 800-877-1940

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