

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

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OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

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

### Gentlemen:

Subject: Slimicide 508

EPA Registration No. 3876-95

Betz ER-10

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EPA Registration No. 48525-1

Betz Slimicide C-62

EPA Registration No. 3876-139

Slime-Trol RX 508

EPA Registration No. 45017-32

Betz Entec 345

EPA Registration No. 34571-10 Submission of June 19, 1984

The labeling referred to above, submitted in connection with registration under the Federal Insecticide. Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

A. E. Castillo

Product Manager (32)

Disinfectants Branch

Registration Division (TS-767C)

**Enclosure** 

BETZ Elogojenergy

ER-10

CHEMICALS, INC.

(FIRST PANEL)

PRECAUTIONARY STATEMENTSE1461]

HADARDS TO HUMANS AND 1126 fd DOMESTIC LICEMANS 126 fd

Lo not the interrelly. To not get into e, on eximple or clothing. Inemical wolkers' gogglas tust be worn when hand aling. In not inhale vapor or mist. Use with adequate ventilation. Immediately remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

ENVIRONMENTAL HAZARDS[146f]

This pesticide is toxic to fish and wildlife. Do not apply in marine and/or estuarine oil fields. Do not discharge into lakes, streams, ponds or public water unless in accordance with a NFDES permit. For guidance contact your Regional Office of the EPA. Do not contaminate water by cleaning of ontainer and equipment or disposal of wastes. Apply this pesticide only as specified on this label.

#### DIRECTIONS FOR USE[146f]

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

NOTE: Add BETZ ER-10 separately to the system. Do NOT mix it with other additives to avoid decomposition of ER-10 due to the high pH of many additive formulations.

RECIRCULATING COCLING WATER SYSTEMS[126f]

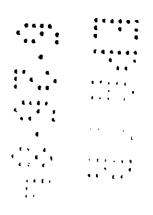
fit1 ER=10 aids in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water systems, commercial and incustrial cooling towers, influent systems such as flow-through filters BEST AVAILABLE COPY

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 1 6 1984

Under the Control of Marticide, Fungicide, in the Act as amended the postucide registered under Fig. V. Reg. No.

<u> 48525-1</u>



and lacoons, industrial water scrubbing systems and brewery pasteurizers.

Add ER-10 to the basin (or any other point of uniform mixing). Addition of ER-10 should be made continuously or intermittently, depending upon the severity of contamination when treatment is begun, and the retention time in the system.

Optimum performance with this product is attained by continuous or intermittent treatment. It "smock" thatthent is used, ploum down should be discentifued for 24 to 48 hours.

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FETE Energy Chemicals, Inc. [Contid bottom 2nd panel.]

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## (DECOND PANEL)

Contents: LIGUID

Active Ingredient:

2,2-Sibromo-I-nitrilopropionamide....20.0%

Inert Ingredients\*:.....

\*Inert ingredients include solubilizing and dispersing agents.

EPA Reg. No. 48525-1

WEIGHT PER GALLON OF PRODUCT 10.6 POUNDS (60F)

NET WEIGHT OR VOLUME AS MARKED ON CONTAINER

KEEP OUT OF REACH OF CHILDREN[126]

DANGER[18bf]

STATEMENT OF PRACTICAL TREATMENT[14bf]

n case of contact with skin, wash immediately ith plenty of scap and water. Immediately conact physician.

a case of contact with eyes, flush promptly nd thoroughly with plenty of clear water for

ACCEPTED with COMMENTS

Under the Pungicide, and Rodenticide Act amended, for the pesticide registered under EPA Reg. No.

in EPA Letter Dated: JUN 16 1984

at least 15 minutes. Immediately contact physician.

In case of ingestion, induce vomiting immediately by giving two glasses of water and sticking finger down the 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 detained information relative to this product is available upon request.

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FOR CONTROL OF LACTERIA

And ER=10 at the nate of 0.305 to 0.1 lb (0.0024 to 0.009) gal) per 1000 gals of water in the system/depending upon the severity of contamination.

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INTERMITTENT OR SLUG METHOD
INITIAL COSE: When the system is noticeably fouled, add ER-10 at the rate of 0.05 to 0.1 lb (0.0048 to 0.0095 gal) per 1000 gals of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add ER-10 at the rate of 0.025 to 0.1 lb (0.0024 to 0.0095 gal) per 1000 gals of water in the system every 4 days, or as needed to maintain control.

C( FINUOUS FEED METHOD INITIAL COSE: When the system is noticeably fouled, add ER-10 at the rate of 0.05 to 0.1 lb (0.0048 to 0.0095 gal) per 1000 gals of water in the system.

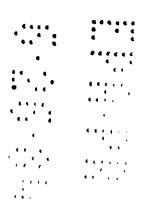
SUBSEQUENT DCSE: Maintain this level by feeding a continuous dose of ER-10 at the rate of 0.005 to 0.05 lb (0.00045 to 0.0043 gal) per 1000 gals of blowdown (or water loss) from the system.

FOR CONTROL OF FUNGI AND ALGAE

1dd  $\tilde{\epsilon}R=10$  at the rate of 0.3 to 1.0 lb (0.029 to 0.095 gal) per 1000 gals of water in the system, depending upon the severity of contamination.

INTERMITTENT OF SLUG METHOD INITIAL DOSE: When the system is noticeably fouled, and ER-10 at the rate of 0.5 to 1.0 lb (0.048 to 0.095 gal) per 1000 gals of water in the system. Repeat until control is achieved.

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SUBSEQUENT DOSE: when algal control is evident, add ER-10 at the rate of 0.3 to 1.0 lb (0.029 to 0.095 gal) per 1000 gals of water in the system daily, or as needed to maintain control.

CONTINUOUS FEED METHOD INITIAL DOSE: When the system is noticeably fouled, add ER-10 at the rate of 0.5 to 1.0 lb (0.48 to 0.095 gal) per 1000 gals of water in the system.

SubSequent DOSE: Maintain this theatment level by feating to cantinuous rote of HRH1. at the mate of Laboro 1.2 (2.134 to 1.2) ran 1000 hals of DAGA continuous rote of the system.

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th to 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 ER=10 to the fluid in the collection tank. Additions of ER=10 should be made with a metering pump.

INITIAL CR SLUG DOSE: When the system is just noticeably fouled, add ER-10 at the rate of 2.65 lbs (0.25 gal) per 1000 gals of metal-working fluid in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, and ER-13 at the rate of 1.06 to 2.12 lbs (0.1 gal to 0.2 gal) per 1000 gals of metal-working fluid per day, of is needed to maintain control. Additions of ER-10 can be made either continuously or intermittantly. Slug the system as required.

# ENHANCED OIL RECOVERY SYSTEMS[12bf]

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 ER-10 at the rate of 1.06 to 67.8 lbs (0.1 to 6.4 gals or 1 to 80 ppm) per 2400 barrels of water, depending upon the severity of contamination. Addition of ER-10 should be made with a metering pump either continuously or intermittently.

Addition of ER-10 may be made at the free water knockouts before an 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 ER-10 at the rate of 8.48 to 67.3 lbs (0.8 to 5.4 gals or 10 to 80 ppm) per 2400 barrels of water intermittently for 4 to 8 hours per day, and from 1 to 4 times per week or as needed depending upon the severity of contamination.

CONTINUOUS FEED METHOD when the system is noticeably fouled, add ER-10 at the rate of 8.48 to 67.8 lbs (0.3 to 6.4 gals or 10 to 80 ppm) per 2400 barrels of water continuously until the desired degree of control is achieved. Subsequently treat with ER-10 at the rate of 1.00 to 12.72 lbs (0.1 to 1.2 gals or 3.2 to 15 com) can E420 barrels of water continuously are as a second control.

NOTE: For central at a cteriar prest and fungion and educations of placely tenders in flooding operations, and tRHID at the nate of 12.72 to 67.8 lbs (1.2 to 6.4 gals on 15 to 60 ppm) per 2480 barnels of water. Addition at ERHID should be made with a metering pump IMMEDIATELY after preparation of the aqueous biopolymer solution to prevent loss of viscosity.

#### STORAGE AND DISPOSAL[126]

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. I( open 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[bf]: Triple rinse (or aquivalent). 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.

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Fiber Drums with Liners[bf]: Completely empty liner by shaking and tapping sides and pottom to loosen clinging particles. Empty residue into application equipment. Then discose of liner and drum in a sanitary landfill or incinerate if allowed by state and local authorities. So not reuse empty drum or liner.

FOR INDUSTRIAL USE CALY. Technical advice regarding speci-

fic site proplems is available from BETZ Energy Chemicals, Inc.

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