



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (H7505C)
 401 "M" St., S.W.
 Washington, D.C. 20460

EPA Reg. Number: 3876-151
 Date of Issuance: May 31, 1996

Term of Issuance: Conditional

Name of Pesticide Product:
 Betz DE-5556

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Betz Laboratories, Inc.
 4636 Somerton Road
 P.O. Box 3002
 Trevose, PA 19053-6783

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

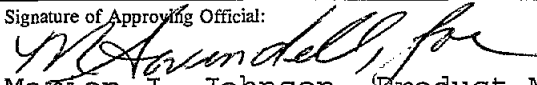
2. Make the following label changes:

a. Revise the EPA Registration Number to read, "EPA Reg. No. "3676-151. "

b. Revise your ingredient statement to read as follows:

2-Bromo-2-nitropropane-1,3,-diol	5.30%
5-Chloro-2-methyl-4-isothiazolin-3-one	1.90%
2-methyl-4-isothiazolin-3-one	0.68%

c. Include the following statement in your "Precautionary Statement" section: "Harmful if swallowed or absorbed through skin."

Signature of Approving Official:

 Marion J. Johnson, Product Manager 31

Date:
 MAY 31 1996

- d. Add the following additional instructions to the Directions For Use section:

Use of the product in either public/municipal or single or multiple family private/residential potable/drinking water systems is strictly prohibited. Use of the product in any cooling water system that discharges effluent within 1/4 mile of either a public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited.

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Marion Johnson
Product Manager 31
Antimicrobial Programs Branch
Registration Division (7505C)

BETZ

LABORATORIES, INC.

WATER MANAGEMENT GROUP

BETZ®

DE-5556

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS

DANGER

CORROSIVE. CAUSES SKIN BURNS AND IRREVERSIBLE EYE DAMAGE. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. HARMFUL IF INHALED. AVOID BREATHING VAPOR OR SPRAY MIST. WEAR PROTECTIVE CLOTHING, GOGGLES, FACE SHIELD AND RUBBER GLOVES. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH CLOTHING BEFORE REUSE. PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS IN SOME INDIVIDUALS.

ENVIRONMENTAL HAZARDS

THIS PRODUCT IS TOXIC TO FISH AND WILDLIFE. DO NOT DISCHARGE EFFLUENT CONTAINING THIS PRODUCT INTO LAKES, STREAMS, PONDS, ESTUARIES, OCEAN OR OTHER WATERS UNLESS IN ACCORDANCE WITH THE REQUIREMENTS OF A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT & 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. APPLY THIS PESTICIDE ONLY AS SPECIFIED ON THIS LABEL.

RESTRICTION STATEMENT

THIS PRODUCT IS NOT CLEARED FOR USE IN COATINGS THAT MAY COME IN CONTACT WITH FOOD.

NET WT. : _____ LBS.
LOT NO. _____

FOR INDUSTRIAL USE. Technical advice regarding specific site problems is available from BETZ.
5556 9412

Active Ingredients:

2-Bromo-2-nitropropane-1,3-diol....	5.3%
5-Chloro-2-methyl-4-isothiazolin-3-one.....	1.6%
2-Methyl-4-isothiazolin-3-one.....	8.5%
Inert Ingredients.....	92.6%
Total.....	100.0%

CONTENTS: LIQUID
POUNDS PER GALLON: 8.6 (70F)
EPA REG. NO. : 3876-

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN DANGER

STATEMENT OF PRACTICAL TREATMENT

- IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
- IF ON SKIN: Wash with plenty of soap and water. Get medical attention.
- IF SWALLOWED: Call a doctor or get medical attention. Do NOT induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.
- IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration preferably mouth-to-mouth. Get medical attention.

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

See side panel for additional precautionary statements.

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with the label. This product aids in the control of mollusca, barnacles, hydrozoa, bryozoa and bacterial, fungal and algal slimes in recirculating water systems that maintain effective mist eliminating, auxiliary/service water systems & waste water systems. This product aids in the control of bacteria and fungi which cause fouling in metal-working fluids, hydraulic fluids, and/or water based industrial formulations. This product aids in the control of objectionable bacteria and fungi in pulp, paper mill, the additive system & for the control of slimes and coatings.

STORAGE

Do not contaminate water.

STORAGE: Keep container in a cool, dry place. Do not store in freezing temperatures. Store in a cool, dry place.

PESTICIDE DISPOSAL: Pesticide should not be disposed of by use according to the label. Improper disposal of this pesticide is a violation of Federal law. Contact your State Pesticide or Environmental Control Agency or the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Recycle if possible. If not, dispose of in a landfill (or equivalent). Then, if the container is damaged, punctured or otherwise rendered unusable, it should be incinerated or burned, if allowed, in a controlled environment. Do not burn, if allowed, in an open fire. Do not burn, if allowed, in a furnace. Do not burn, if allowed, in a boiler. Do not burn, if allowed, in a kiln. Do not burn, if allowed, in a steam boiler. Do not burn, if allowed, in a steam generator. Do not burn, if allowed, in a steam turbine. Do not burn, if allowed, in a steam engine. Do not burn, if allowed, in a steam locomotive. Do not burn, if allowed, in a steam train. Do not burn, if allowed, in a steamship. Do not burn, if allowed, in a steamboat. Do not burn, if allowed, in a steamship. Do not burn, if allowed, in a steamboat. Do not burn, if allowed, in a steamship. Do not burn, if allowed, in a steamboat.

Please refer to the technical data sheet for specific site and dosage information.

QUALITY WAY, TREVOSE, PA 19053

BUSINESS PHONE: 215-355-3300 EMERGENCY (HEALTH OR ACCIDENT): 1-800-878-3300

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BETZ DE-5556 APPLICATION BULLETIN

This product is effective for the control of mollusca, barnacles, hydrozoa, bryzoa and bacterial, fungal and algal slimes in recirculating water systems, air washer systems that maintain effective mist eliminating, auxiliary/service water systems and waste water systems.

This product is effective for the control of bacterial and fungi which causes fouling in metal working fluids, hydraulic fluids, hydrocarbon based fuel oils, and oil and/or water based industrial formulations.

This product is effective for the control of objectionable bacteria and fungi in pulp, paper mill, the additive system and for the preservation of paper mill additives and coatings.

Recirculating Water Systems

This product is effective for the control of mollusca, barnacles, hydrozoa, bryzoa, 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, brewery pasteurizers, hydrostatic cookers and retort waters.

This product may be added to the system either continuously or intermittently as needed. The frequency of feeding and duration of the treatment will depend 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 0.4 to 4.2 lbs per 1000 gallons/0.5 to 5 kg/m³ (50 to 500 ppm) of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.3 to 3.3 lbs per 1000 gallons/0.4 to 4 kg/m³ (40 to 400 ppm) 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 0.4 to 4.2 lbs per 1000 gallons/0.5 to 5 kg/m³ (50 to 500 ppm) of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: Continuously feed this product to maintain a dosage of 0.3 to 3.3 lbs per 1000 gallons/0.4 to 4 kg/m³ (40 to 400 ppm) of blowdown (or water loss) from the system.

Air Washers

For use only in Air Washing systems that maintain effective mist eliminating components. To control bacteria, fungi and algae which cause fouling in industrial air washing systems, add this product to the air washer sump or chill water sump to insure uniform mixing at the rate of 0.3 to 3.3 lbs per 1000 gallons/0.4 to 4 kg/m³ or 4.2 to 45.9 fluid ounces/124 to 1357 ml (40 to 400 ppm) of water in the system depending upon the severity of the contamination. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 0.4 to 4.2 lbs per 1000 gallons/0.5 to 5 kg/m³ or 5.6 to 58.5 fluid ounces/166 to 1730 ml (50 to 500 ppm) of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add this product at the rate of 0.3 to 3.3 lbs per 1000 gallons/0.4 to 4 kg/m³ or 4.2 to 45.9 fluid ounces/124 to 1357 ml (40 to 400 ppm) of water in the system weekly or as needed to maintain control.

MAY 31 1996
3876-151

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 0.4 to 4.2 lbs per 1000 gallons/0.5 to 5 kg/m³ or 5.6 to 58.5 fluid ounces/166 to 1730 ml (50 to 500 ppm) of water in the system.

SUBSEQUENT DOSE: Maintain this treatment level by adding a continuous feed of this product at the rate of 0.3 to 3.3 lbs per 1000 gallons/0.4 to 4 kg/m³ or 4.2 to 45.9 fluid ounces/124 to 1730 ml (40 to 400 ppm) of blowdown (or water loss) from the system.

Auxiliary Water/Service Water and Waste Water Systems

This product is effective for the control of mollusca, barnacles, hydrozoa, bryozoa, odor-forming bacteria, slime-forming bacteria, fungi, and algae in auxiliary water systems such as fire protection systems and pump or screen bays, 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.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 lbs per 1000 gallons/0.5 to 5 kg/m³ (50 to 500 ppm) of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.3 to 3.3 lbs per 1000 gallons/0.4 to 4 kg/m³ (40 to 400 ppm) 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 0.4 to 4.2 lbs per 1000 gallons/0.5 to 5 kg/m³ (50 to 500 ppm) of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: Continuously feed this product to maintain a dosage of 0.3 to 3.3 lbs per 1000 gallons/0.4 to 4 kg/m³ (40 to 400 ppm) of blowdown (or water loss) from the system.

This product may be added to the system water or by spraying on to a waste pile as needed. The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination. Additives 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 BETZ BIO-TROL 91W at the rate of 0.4 to 4.2 lbs per 1000 gallons/0.5 to 5 kg/m³ (50 to 500 ppm) 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 0.3 to 3.3 lbs per 1000 gallons/0.4 to 4 kg/m³ (40 to 400 ppm) of water in the system.

Metal working fluids, Hydraulic fluids, Hydrocarbon based fuel oils and Oil and/or water based industrial formulations

For control of bacteria, fungi and algae which cause fouling in metal working fluids hydraulic fluids, hydrocarbon based fuel oils and oil and/or water based industrial formulations, add this product to the fluid insuring uniform mixing at the rate of 2 to 10 lbs per 1000 gallons/2.4 to 12 kg/m³ or 27.8 to 139 fluid ounces/822 to 4110 ml (240 to 1200 ppm) of fluid in the system depending upon the severity of the contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

MAY 31 1996
Under the Federal Insecticide, Fungicide, and Rodenticide Act
This substance has been found to be a pesticide.
EPA Reg. No. 3876-151

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 4 to 10 lbs/4.8 to 12 kg/m³ or 55.6 to 139 fluid ounces/1644 to 4110 ml (480 to 1200 ppm) of fluid in the system. Repeat every 4 weeks or until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add this product at the rate of 2 to 5 lbs per 1000 gallons/2.4 to 6 kg/m³ or 27.8 to 69.5 fluid ounces/822 to 2055 ml (240 to 600 ppm) of fluid in the system every 4 weeks or as needed to maintain control.

Pulp and Paper Mill

In Pulp and Paper Mill and the additive systems and for the preservation of pulp, pigment slurries, alum, emulsions, adhesives, non-coating defoamers, polymers and paper products this product aids to control objectionable bacteria and fungi. Additions can be made on a continuous or intermittent basis, depending upon the severity of the contamination.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun. This product should be added directly to the pulp and paper mill systems. Apply at a point in the system where the product will be uniformly mixed.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.75 to 7.5 lbs per ton of pulp/paper produced. Addition of this product to the additive system should be made directly at the rate of 0.42 to 5.4 lbs/0.5 to 6.5 kg/m³ (50 to 650 ppm) per 1000 gallons. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add this product at the rate of 0.6 to 5.75 lbs per ton of pulp or paper produced. Treat the system as needed to maintain control. Addition of this product to the additive system may be reduced to 0.28 to 4.6 lbs/0.34 to 5.5 kg/m³ (34 to 550 ppm) per 1000 gallons.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 0.75 to 2.0 lbs per ton of pulp/paper produced. Additions of this product to the additive system should be made directly at the rate of 0.42 to 5.4 lbs//0.5 to 6.5 kg/m³ (50 to 650 ppm) per 1000 gallons. Continue until control is achieved.

SUBSEQUENT DOSE: Maintain the following level by continuous feed of this product at the rate of 0.6 to 1.75 lbs per ton of pulp and paper produced. Addition of this product to the additive system should be made at the rate of 0.28 to 4.6 lbs/0.34 to 5.5 kg/m³ (34 to 550 ppm) per 1000 gallons. Continue until control is achieved.

For Preservation

This product should be added directly to the material to be preserved prior to manufacturing into the finished product, i.e., pulp, broke, polymers, defoamers, alum, emulsions, adhesives, paper mill coatings, pigment slurries and paper products. The dosage rate will depend on the material to be preserved and the storage time. The usual additions should be 75 to 1300 ppm for polymer latex emulsions, 75 to 650 ppm for polymers, starch, defoamers, alum, adhesives, paper mill coatings and pigment slurries and 150 to 650 ppm for pulp and broke. The above recommendations are based on a maximum storage time of 7 to 14 days. Repeat dosing every 7 to 14 days for storage times longer than two weeks.

THE COMPOSITION AND USE OF THIS PRODUCT IS COVERED BY U.S. PATENT 4,732,905.

USE OF THIS PRODUCT WITH CERTAIN OXIDIZING BIOCIDES IS COVERED BY U.S. PATENT 4,855,296 AND PENDING PATENTS.

ACCEPTED FOR THE COMMISSIONER OF PATENTS AND TRADEMARKS
MAY 31 1995
3876-151

This product is effective for the control of mollusca, barnacles, hydrozoa, bryzoa and bacterial, fungal and algal slimes in recirculating water systems, industrial air washer systems that maintain effective mist eliminating, auxiliary/service water systems and waste water systems.

This product is effective for the control of bacterial and fungi which causes fouling in metal working fluids, hydraulic fluids, hydrocarbon based fuel oils, and oil and/or water based industrial formulations.

This product is effective for the control of objectionable bacteria and fungi in pulp, paper mill, the additive system and for the preservation of paper mill additives and coatings.

Recirculating Water Systems

This product is effective for the control of mollusca, barnacles, hydrozoa, bryzoa, 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, brewery pasteurizers, hydrostatic cookers and retort waters.

This product may be added to the system either continuously or intermittently as needed. The frequency of feeding and duration of the treatment will depend 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 1.6 to 5 lbs per 1000 gallons/2 to 6 kg/m³ (200 to 600 ppm) of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.8 to 4.0 lbs per 1000 gallons/1 to 4.8 kg/m³ (100 to 480 ppm) 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 1.6 to 5 lbs per 1000 gallons/2 to 6 kg/m³ (200 to 600 ppm) of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: Continuously feed this product to maintain a dosage of 0.8 to 4 lbs per 1000 gallons/1 to 4.8 kg/m³ (100 to 480 ppm) of blowdown (or water loss) from the system.

Air Washers

For use only in Air Washing systems that maintain effective mist eliminating components. To control bacteria, fungi and algae which cause fouling in industrial air washing systems, add this product to the air washer sump or chill water sump to insure uniform mixing at the rate of 0.8 to 5 lbs per 1000 gallons/1 to 6 kg/m³ or 11.2 to 69.5 fluid ounces/331 to 2055 ml (100 to 600 ppm) of water in the system depending upon the severity of the contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 1.6 to 5 lbs per 1000 gallons/2 to 6 kg/m³ or 22.4 to 69.5 fluid ounces/659 to 2055 ml (200 to 600 ppm) of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add this product at the rate of 0.8 to 4.0 lbs per 1000 gallons/1 to 4.8 kg/m³ or 11.2 to 55.6 fluid ounces/331 to 1644 ml (100 to 480 ppm) of water in the system weekly or as needed to maintain control.

MAY 31 1988
 N 276-151
 CALIFORNIA
 A LETTER

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 1.6 to 5 lbs per 1000 gallons/2 to 6 kg/m³ or 22.4 to 69.5 fluid ounces/659 to 2055 ml (200 to 600 ppm) of water in the system.

SUBSEQUENT DOSE: Maintain this treatment level by adding a continuous feed of this product at the rate of 0.8 to 4.0 lbs per 1000 gallons/1 to 4.8 kg/m³ or 11.2 to 55.6 fluid ounces/331 to 1644 ml (100 to 480 ppm) of blowdown (or water loss) from the system.

For Auxiliary Water/Service Water and Waste Water Systems

This product aids in the control of mollusca, barnacles, hydrozoa, bryozoa, odor-forming bacteria, slime-forming bacteria, fungi, and algae in auxiliary water systems such as fire protection systems and pump or screen bays, 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.

INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add this product at the rate of 1.6 to 5 lbs per 1000 gallons/2 to 6 kg/m³ (200 to 600 ppm) of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSE: When control is evident, add this product at the rate of 0.8 to 4 lbs per 1000 gallons/1 to 4.8 kg/m³ (100 to 480 ppm) of water in the system every 3 days or as needed to maintain control.

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SUBSEQUENT DOSE: Continuously feed this product to maintain a dosage of 0.8 to 4 lbs per 1000 gallons/1 to 4.8 kg/m³ (100 to 480 ppm) of blowdown (or water loss) from the system.

This product may be added to the system water or by spraying on to a waste pile as needed. The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination. Additives 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 1.6 to 5 lbs per 1000 gallons/2 to 6 kg/m³ (200 to 600 ppm) 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 0.8 to 4 lbs per 1000 gallons/1 to 4.8 kg/m³ (100 to 480 ppm) of water in the system.

Metal working fluids, Hydraulic fluids, Hydrocarbon based fuel oils and Oil and/or water based industrial formulations

For control of bacteria, fungi and algae which cause fouling in metal working, hydraulic fluids, hydrocarbon based fuel oils and oil and/or water based industrial formulations, add this product to the fluid insuring uniform mixing at the rate of 2 to 10 lbs per 1000 gallons/2.4 to 12 kg/m³ or 27.8 to 139 fluid ounces/822 to 4110 ml (240 to 1200 ppm) of fluid in the system depending upon the severity of the contamination. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

RECEIVED
WFO CAMDEN
IN EPA LETTER MAIL
MAY 31 1996
Under the Federal Insecticide, Fungicide, and Herbicide Act, this product is registered for the control of bacteria, fungi, and algae in metal working fluids, hydraulic fluids, hydrocarbon based fuel oils, and oil and/or water based industrial formulations. EPA Reg. No. 387-157

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INTERMITTENT OR SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, apply this product at the rate of 4 to 10 lbs per 1000 gallons/4.8 to 12 kg/m³ or 55.6 to 139 fluid ounces/1644 to 4110 ml (480 to 1200 ppm) of fluid in the system. Repeat every 4 weeks or until control is achieved.

SUBSEQUENT DOSE: When microbial control is evident, add this product at the rate of 2 to 5 lbs per 1000 gallons/2.4 to 6 kg/m³ or 27.8 to 69.5 fluid ounces/822 to 2055 ml (240 to 600 ppm) of fluid in the system every 4 weeks or as needed to maintain control.

THE COMPOSITION AND USE OF THIS PRODUCT IS COVERED BY U.S. PATENT 4,732,905.

USE OF THIS PRODUCT WITH CERTAIN OXIDIZING BIOCIDES IS COVERED BY U.S. PATENT 4,855,296 AND PENDING PATENTS. JSC 4/95 REV-5

ACCEPTED
WITH COMMENTS
in EPA Letter Dated
MAY 31 1996
Under the terms of the agreement
between the manufacturer and EPA
the manufacturer for the manufacture
of this product shall file with the
3876-151