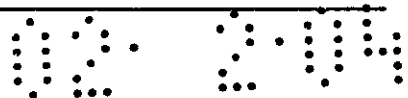


GE Betz



Lot Number:

Material ID: 6022050

Net Weight:

Packaging Date: 01/28/2004

Wash: **ACCEPTED** Made in USA

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	D

APR 20 2004

BETZ DE-5556

3876-151

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER PELIGRO

DANGER Corrosive. Causes irreversible eye damage. Causes skin burn. May be fatal if inhaled. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash before reuse.

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 INGREDIENTS
 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%
INERT INGREDIENTS 92.12%
TOTAL 100.00%

CONTENTS: LIQUID
POUNDS PER GALLON: 9.2 (70°F)

EPA REGISTRATION NUMBER: 3876-151

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.

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.

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 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.
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.
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.	

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

DE5556epa

GEN 0204 4/20/04

3876-151

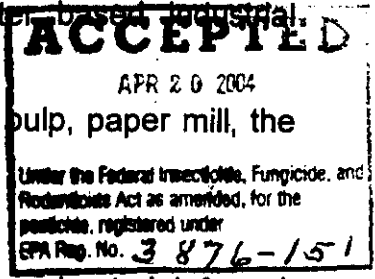
4/30/2004

Page 1 of 7

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.

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 DE-5556 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.

ACCEPTED
APR 20 2004
EPA Reg. No. 3876-151

487

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, 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.

ACCEPTED
APR 26 2004
Under the Federal Insecticide, Fungicide, and
Rodenticide Act as amended, for the
pesticide, registered under
EPA Reg. No. 3876-151

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. REVISION #1 FROM LAST STAMPED LABEL 5/31/96

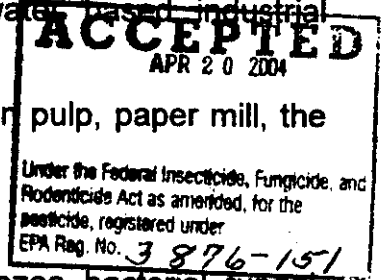
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BETZ DE-5556 APPLICATION BULLETIN FOR CALIFORNIA

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.

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.

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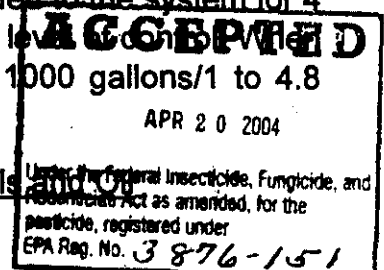
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Metal working fluids, Hydraulic fluids, Hydrocarbon based fuel oils and oil and/or water based industrial formulations



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.

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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.

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

