**BIOMATE MBC2881**

Slime Control Agent

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**HEALTH**

- Material ID: 3
- Net Weight: 0
- Made in

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**FLAMMABILITY**

- Material ID: 1
- Net Weight: 0

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**REACTIVITY**

- Material ID: 0
- Net Weight: B

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**PERSONAL PROTECTION**

- Material ID: B
- Net Weight: 0

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**PRECAUTIONARY STATEMENTS**

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**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 agents.

**IF INHALED:**
Move person to fresh air.

**IF SWALLOWED:**
Call a poison control center or doctor for treatment advice.

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**KEEP OUT OF REACH OF CHILDREN**

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**USER SAFETY REQUIREMENTS**
Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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**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 sewagetreatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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**STORAGE AND DISPOSAL**

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

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

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container.

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**GEO Betz, Inc., 4636 Somerton Road, Trevose, PA, 19053**

**Business Phone:** 215-355-3300 • **Emergency Phone:** 800-877-1940
**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons.

**RECIIRCULATING COOLING WATER SYSTEMS:** This product aids in the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, influent systems due to the high pH of many additive formulations. Add this product at any point in the system to insure uniform mixing. This product may be added to the systems either continuously or intermittently as needed. The frequency of feeding and duration of the treatment will depend upon the severity of contamination. Optimum performance is attained by continuous or intermittent treatment. If "shock" treatment is used, blowdown must be discontinued for 24 to 48 hours. Add this product at the rate of 0.005 to 1.0 lb. (0.6 to 120 ppm) per 1000 gallons of water in the system, depending upon the severity of contamination. BADLY FOULED SYSTEMS must be cleaned before treatment begins.

**FOR CONTROL OF BACTERIA:**

**INTERRUPTENT OR SLUG METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.05 to 0.1 lb. (6 to 12 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 0.025 to 0.1 lb. (3 to 12 ppm) per 1000 gallons of water in the system every 4 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 0.005 to 0.1 lb. (0.6 to 12 ppm) per 1000 gallons of water in the system. SUBSEQUENT DOSE: Continuously feed this product to maintain a dosage of 0.005 to 0.05 lb. (0.6 to 6 ppm) per 1000 gallons of blowdown (or water loss) from the system.

**FOR THE CONTROL OF FUNGI AND ALGAE:**

**INITIAL OR SLUG DOSE:** When the system is noticeably fouled, add this product at the rate of 0.25 gallon (2.65 lbs.) 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 0.5 to 1.0 lb. (60 to 120 ppm) per 1000 gallons of metal working fluid per day, or as needed to maintain control. 

**INTERMITTENT OR SLUG METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.032 to 1.0 lb. (3.8 to 120 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 0.016 to 0.5 lb. (1.9 to 60 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 0.032 to 1.0 lb. (3.8 to 120 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 0.016 to 0.5 lb. (1.9 to 60 ppm) per 1000 gallons of blowdown (or water loss) from the system.

**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 0.016 to 1.0 lb. (1.9 to 120 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. 

**INTERRUPTENT OR SLUG METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.032 to 1.0 lb. (3.8 to 120 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 0.016 to 0.5 lb. (1.9 to 60 ppm) per 1000 gallons of water in the system every 2 days or as needed to maintain control.

**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 must 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 0.016 to 1.0 lb. (1.9 to 120 ppm) per 1000 gallons of feedwater. During use of this product both permeate and reject waters must be directed to the drain. Once treatment is completed, rinsing with feedwater must continue until conductivity values in the permeate are at or below values before treatment with this product. BADLY FOULED SYSTEMS must be cleaned before treatment begins.

**FOR THE CONTROL OF BACTERIA - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.05 to 0.1 lb. (6 to 12 ppm) per 1000 gallons of feedwater. Minimum treatment intervals must 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 0.025 to 0.1 lb. (3 to 12 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 0.5 to 1.0 lb. (60 to 120 ppm) per 1000 gallons of feedwater. Minimum treatment intervals must be 5 minutes. Repeat until control is achieved or as specified by the guidelines recommended by the membrane manufacturer. 

**SUBSEQUENT DOSE:** When microbial control is achieved, add this product at the rate of 0.05 to 1.0 lb. (3 to 12 ppm) per 1000 gallons of feedwater as needed to maintain control or as specified by the guidelines recommended by the membrane manufacturer.

**INDUSTRIAL PRESERVATION APPLICATIONS:** This product may be used to reduce microbiological contamination in raw materials and/or products such as: aqueous paints and coatings, polymers, slurries, adhesives, latex and resin emulsions, sizing, caulk, process water, along with specialty industrial products including: inks, polishes, waxes, detergents, and cleansers. Add this product to the material or product at a concentration of 25 to 2,000 ppm by weight. This concentration is equivalent to 2.8 to 224.0 fluid ounces per 1,000 gallons or 21.4 to 1,712.0 milliliters per 1,000 liters. The required concentration will depend on the material being treated and the level of contamination present.