



# BIOMATE<sup>\*</sup> MBC2881

Slime Control Agent

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER PELIGRO**

Corrosive. Causes irreversible eye damage. Harmful if inhaled, swallowed, or absorbed through the skin. Do not get in eyes. Avoid contact with skin or clothing or breathing vapor. Wear protective eyewear (goggles or face shield). Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco and/or using the toilet. Remove contaminated clothing and wash separately 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.

Lot Number:

Material ID:

Net Weight:

HEALTH 3

FLAMMABILITY 1

REACTIVITY 0

PERSONAL PROTECTION B

Packaging Date:

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ACTIVE INGREDIENT: 2,2-Dibromo-3-nitropropionamide . . . . . 20.0%	
INERT INGREDIENTS*: . . . . . 80.0%	
TOTAL . . . . . 100.0%	
*Inert ingredients include solubilizing and dispersing agents.	
CONTENTS: LIQUID POUNDS PER GALLON: 10.6 (60°F)	
EPA REGISTRATION NUMBER: 3876-95	
EPA ESTABLISHMENT NUMBER:	

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER PELIGRO**

**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. User must 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.	
Note to Physician:	Probable mucosal damage may contraindicate the use of gastric lavage.



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## 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.  
CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning if appropriate. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.  
CONTAINER DISPOSAL: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.



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**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.

**RECIRCULATING 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 such as flow-through filters and lagoons, industrial water scrubbing systems and brewery pasteurizers. **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. 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 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 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 is begun.

**FOR CONTROL OF BACTERIA**

**INTERMITTENT 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 0.05 to 0.1 lb. (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**

**INTERMITTENT OR SLUG METHOD - 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 water in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When algal control is evident, add this product at the rate of 0.3 to 1.0 lb. (36 to 120 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 0.5 to 1.0 lb. (60 to 120 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 0.3 to 1.0 lb. (36 to 120 ppm) per 1000 gallons of blowdown (or water loss) from the system.

**METAL-WORKING CUTTING FLUIDS CONTAINING WATER:** This product 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 this product to the fluid in the collection tank. Additions must be made with a metering pump.

**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 0.1 to 0.2 gallon (1.06 to 2.12 lbs.) 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 0.016 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.

**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.

**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 0.01 to 1.0 lb. (1 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 is begun.

**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 15 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 0.3 to 1.0 lb. (36 to 120 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.

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