**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER PELIGRO**

**ACTIVE INGREDIENTS:**
- 5-Chloro-2-methyl-4-isothiazolin-3-one ........ 1.11%
- 2-Methyl-4-isothiazolin-3-one ............ 0.39%
- INERT INGREDIENTS: ............ 98.50%
- TOTAL .................................................. 100.00%

**CONTENTS:** LIQUID

**POUNDS PER GALLON:** 8.6 (70°F)

**EPA REGISTRATION NUMBER:** 3876-143

**EPA ESTABLISHMENT NUMBER:**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER PELIGRO**

**ENVIRONMENTAL HAZARDS**

This chemical is toxic to terrestrial and aquatic plants, fish and aquatic invertebrates. Do not discharge effluent containing this product into sewers, streams, ditches, lakes, ponds or other water bodies 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 Waterboard or Regional Office of the EPA. Do not apply directly to water or to area where surface water is present or intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

**PHYSICAL OR CHEMICAL HAZARDS**

This product is corrosive to mild steel.

**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 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 SWALLOWED | 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 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. |

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Keep container tightly closed. Protect from freezing. Store in a dry place. Do not store at elevated temperatures. Do not store or transport in unlined metal containers.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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 your Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL - METAL & PLASTIC CONTAINERS:** 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. Rinse containers into equipment application 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 50 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. Rinse the rinsate into equipment application or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

**CONTAINER DISPOSAL - REFILEABLE CONTAINER:** Do not reuse this container for any other purpose. Clean 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 equipment application 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 equipment application or rinsate collection system. Repeat this rinsing procedure two more times.
**BIOMATE® MBC781**

**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.

**INDUSTRIAL RECIRCULATING COOLING WATER AND NON-FOOD CONTACT PROCESS WATER SYSTEMS RELA TED TO NON-WOVEN TEXTILE PROCESSING**

This product aids in the control of bacteria, algae and fungi in evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, industrial water scrubbing systems, brewery pasteurizers and non-woven textile process water. Add this product to the tower basin, distribution box or some other point to insure uniform mixing. BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

**INITIAL DOSE:** When the system is noticeably fouled, apply this product at the rate of 1.26 to 7.46 pounds (19 to 113 fluid ounces or 148 to 883 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 0.3 to 1.86 pounds (4.5 to 28 fluid ounces or 35 to 219 ppm) per 1000 gallons of water in the system weekly or as needed to maintain control.

**AIR WASHER SYSTEMS**

For use only in industrial air washing systems that maintain effective mist eliminating components. To control bacteria, fungi and algae which cause fouling in industrial air washer systems, add this product to the air washer sump or chill water sump to assure uniform mixing, at the rate of 0.3 to 7.46 pounds (4.5 to 113 fluid ounces or 35 to 883 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, apply this product at the rate of 1.26 to 7.46 pounds (19 to 113 fluid ounces or 148 to 883 ppm) per 1000 gallons 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 0.3 to 1.86 pounds (4.5 to 28 fluid ounces or 35 to 219 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 0.3 to 1.86 pounds (4.5 to 28 fluid ounces or 35 to 219 ppm) per 1000 gallons of blowdown (or water loss) from the system.

**METAL - WORKING FLUIDS**

This product is recommended for the control of bacteria and fungi in soluble and emulsifiable-type aqueous metal-working fluids, such as emulsified petroleum oils, and formulations containing alcoholic fatty acid, sulfonated red oil or naphthenic sulfonate. These fluids are usually prepared by diluting the product concentrates 1:40 to 1:60 with water. For the maintenance of a non-fouled system, use this product at 32 fluid ounces per 1000 gallons of emulsion (2 pounds) every 4 weeks or 32 to 154 fluid ounces per 1000 gallons of emulsion (2 to 10 pounds) every 8 to 12 weeks. For a noticeably fouled system, use an initial dose of 4.4 to 154 fluid ounces per 1000 gallons emulsion (4 to 10 pounds) to be followed by subsequent maintenance dosages depending upon the treatment interval noted above. A higher dosage range and/or increased frequency of treatment may be required depending upon the rate of dilution of the preservative with makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

The preservative should be dispensed into the use-dilution of the metal-working fluid using a metering pump.

**HYDRAULIC FLUIDS**

This product is recommended as a preservative for use in the manufacture and use of high water-based hydraulic fluids and invert emulsion hydraulic fluids typically prepared by emulsifying 40% by volume of water in 60% by volume of mineral oil using an oil-soluble emulsifying agent. For the maintenance of a non-fouled system, use this product at 110 to 135 fluid ounces (7.2 to 8.8 pounds) per 1000 gallons fluid every 8 weeks. For a noticeably fouled system, use an initial dose of 135 to 235 fluid ounces (8.8 to 15.4 pounds) per 1000 gallons fluid to be followed by subsequent maintenance dosages. A higher dosage range and/or increased frequency of treatment may be required depending upon the rate of dilution of the preservative with hydraulic fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

The preservative should be dispensed into the use-dilution of the hydraulic fluid using a metering pump and uniformly dispersed throughout the system.

**NON-POTABLE REVERSE OSMOSIS SYSTEMS**

This product is recommended for the control of bacteria and fungi in non-potable reverse osmosis systems. Use of this product in potable water or dialysis is prohibited. Add 10 to 333 ppm of this product (0.15 to 5 ppm active ingredient) into reverse osmosis systems by either continuous feed or periodic injection. Compatibility of this product with reverse osmosis membranes should be confirmed with membrane manufacturers. For the control of bacteria and fungi in carbon beds, add 10 to 333 ppm of this product (0.15 to 5 ppm active ingredient) by either continuous or batch feed. For periodic membrane cleaning, add 0.4 to 1.0 pound of this product to every 120 gallons of cleaning solution (6 to 15 ppm active ingredient). Badly fouled systems should be cleaned before treatment is begun.

**PHOTOPROCESSING SYSTEMS**

Start with a clean system. Water recycling: Use 2.1 to 4.2 pounds (32 to 64 fluid ounces) of this product per 1,000 gallons of water in the system. Add to final rinse or used water collection tank by slug dose once weekly or as needed. **ONE-TIME:** Use 26 pounds (3 gallons) of product per 1,000 gallons of water in the system, single application start-up dosage added to the wash tanks. Thereafter, add this product each operating day for one hour using a chemical proportioning pump at a dosage of 2 to 3 pounds per hour (32 to 48 fluid ounces) to wash tanks per 1,000 gallons of water used. Increase to two hours per day if needed. This user is advised that he must maintain a level of discharge into the publicly-owned treatment works which is in compliance with the recommended guidelines for the photographic processing industry. Contact your Regional EPA Office for guidance.

**Lot Number:** MBC781

**Material ID:** 003560

**Packaging Date:** 03-01-2022

**Net Weight:** 2000 lbs