**MB-1000**

**ACTIVE INGREDIENTS**
- tris-s-trichloro-2,5-dimethyl-2,5-dihydroxybenzene.......................... 96.0%
- 1,3-dichloro-4,5-dimethoxybenzene........................................... 27.4%
- 1,3-dichloro-4-ethyl-5-methoxybenzene....................................... 16.8%

**INERT INGREDIENTS**
- 10.6%

**TOTAL**
- 106.8%

Available bromine... 30.2%
Available chlorine... 44.4%

EPA Reg. No. 8536-115-66114

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**FIRST AID**

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

**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.

**IF ON SKIN OR CLOTHING:**
Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**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 the 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 by mouth-to-mouth, if possible.

**NOTE TO PHYSICIAN:**
Preferable medical damage may contraindicate the use of gastric lavage.

**FOR INDUSTRIAL USE ONLY**

Technical advice regarding specific on-site problems are available from Check-Mark. A Material Safety Data Sheet relative to the use of this product is also available upon request.

**DIRECTIONS FOR USE**
It is a violation of Federal law to use this product in a manner inconsistent with the labeling.

**RECOMMENDED COOLING WATER SYSTEMS AND SEWAGE SYSTEMS**
MB-1000 aids in the control of bacterial, fungal and algae biofilms in evaporative condensers, heat exchange water towers, influent systems such as through filters, industrial water scrubbing systems, brewery pasteurizers, sewage systems (septic tanks, septic fields, tanks, sewers, lagoons, and sewage effluent water), photo processing wash water, and paper and paperboard process water.

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 the problem.

**BADLY FOILED SYSTEMS** must be cleaned before treatment is begun.

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**FOR CONTROL OF MICROBIAL AND FUNGAL**

**INTERMITTENT OR SLUG METHOD**

**INITIAL DOSE:** When the system is noticeably foiled, add 0.1 to 1.0 pounds per 1000 gallons (12 to 120 ppm) of water in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When microbially control is evident, add 0.1 to 0.75 pounds per 1000 gallons (12 to 90 ppm) of water in the system every 3 days or as needed to maintain control.

**CONTINUOUS FEED METHOD**

**INITIAL DOSE:** When a system is noticeably foiled, add 0.1 to 1.0 pound per 1000 gallons (12 to 120 ppm) of water in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** Continuously feed to maintain dosage of 0.1 to 0.75 pounds per 1000 gallons (12 to 90 ppm) of water in the system.

**FOR CONTROL OF ALGAE**

**INTERMITTENT OR SLUG METHOD**

**INITIAL DOSE:** When the system is noticeably foiled, add 0.1 to 1.0 pound per 1000 gallons (12 to 120 ppm) of water in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** Continuously feed to maintain dosage of 0.1 to 0.75 pounds per 1000 gallons (12 to 90 ppm) daily or as needed to maintain control.

**CONTINUOUS FEED METHOD**

**INITIAL DOSE:** When the system is noticeably foiled, add 0.1 to 1.0 pound per 1000 gallons (12 to 120 ppm) of water in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** Continuously feed to maintain dosage of 0.1 to 0.75 pounds per 1000 gallons (12 to 90 ppm) of water in the system.

**AIRWASHERS**

For use only in industrial air washer systems that maintain effective mist eliminating components.

**MB-1000** controls biofilms forming bacteria, fungi and algae in industrial air washer systems. Add MB-1000 at the rate of 0.1 to 1.0 pound (12 to 120 ppm) per 1000 gallons of water in the system, depending upon the severity of the contamination.

Control the application by measuring the free chlorine residual in the treated water. There is no need to exceed 1.0 ppm as free chlorine.

Badly fouled systems must be cleaned before treatment is begun.

**INTERMITTENT OR SLUG METHOD**

**INITIAL DOSE:** When system is noticeably foiled, add to air washer sump or chill water sump to insure uniform mixing. Add 0.1 to 1.0 pound per 1000 gallons (12 to 120 ppm) of water.

**SUBSEQUENT DOSE:** When microbially control is evident, add 0.1 to 0.6 pounds per 1000 gallons (12 to 72 ppm) of water.

**CONTINUOUS FEED METHOD**

**INITIAL DOSE:** When system is noticeably foiled, add to air washer sump or chill water sump to insure uniform mixing. Add 0.1 to 1.0 pound per 1000 gallons (12 to 120 ppm) of water.

**SUBSEQUENT DOSE:** When microbially control is evident, add 0.1 to 0.6 pounds per 1000 gallons (12 to 72 ppm) of water.

**ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS**

When used as directed, MB-1000 effectively controls algae, bacterial, fungal biofilm and multispecies in open or closed-cycle, fresh or salt water, once-through cooling systems. Treat cooling water with MB-1000 at the system intake or other critical areas, where mixing is uniform.

**DOSE RATES**

**INITIAL DOSE:** When system is noticeably foiled, add 0.2 to 0.5 pounds per 1000 gallons of water containing in the system. Repeat initial dosage until one to three ppm (mg/L) bromine residual is established for at least 4 hours.

**SUBSEQUENT DOSE:** When microbial control is evident, add 0.1 to 0.3 pounds per 1000 gallons of water contained in the system. Repeat as needed to maintain one to three ppm bromine residual for at least 4 hours.

**BEVERAGE CAN RINSING OPERATIONS**

MB-1000 controls the growth of odor causing bacteria, of fungal and algae slime, and spoilage bacteria of economic significance in water used for beverage rinse operations. After rinsing, the cans are dried thoroughly at approximately 250°F and then coated with a thin film of rinse water. This product may be added to the rinse water either continuously or intermittently as needed. The frequency of feeding and duration of the treatment will depend upon the severity of the problem.

**BADLY FOILED SYSTEMS** must be cleaned before treatment is begun.

**DECORATIVE FOUNTAINS**

When used as directed, MB-1000 controls algae, microbial biofilm, and bacterial biofilm in decorative fountains. MB-1000 may be fed continuously or on an intermittent basis depending on the degree of fouling. For maximum effectiveness, fountains containing heavy algae growth should be cleaned prior to using MB-1000.

**INITIAL DOSE:** Fountains having visible algae growth require an initial dose of 0.1 to 1.0 pound per 1000 gallons of water (12 to 120 ppm active). Repeat the initial dose until control is achieved.

**SUBSEQUENT DOSE:** Once control is achieved, add 0.1 to 0.75 lbs per 1000 gallons of water daily or as needed to maintain control, by feeding continuously or on an intermittent basis.
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. Do not store in direct sunlight.
Do not store at temperatures above 100°F.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse water is a violation of Federal Law. If these wastes cannot be disposed of by use according to the label instructions, contact your state pesticide or environmental control agents or the hazardous waste representative at the nearest EPA regional office for guidance.

CONTAINER DISPOSAL
Nonrefillable container. Do not reseal or refill this container. Clean container promptly after emptying. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinse water consistent with pesticide disposal instructions. Repeat two more times. If not triple rinsed, these containers are acute hazardous wastes and must be disposed of in accordance with local, state, and federal regulations. DO NOT cut or weld metal containers.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER: HIGHLY CORROSIVE. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Do not take internally. Irritating to nose and throat. Avoid breathing dust. Use with adequate ventilation. Do not get into eyes, on skin or on clothing. Wear protective clothing, chemical resistant gloves and protective eyewear (goggles, face shield or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish. 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 previous notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS
CHEMICAL HAZARD: STRONG OXIDIZING AGENT. Mix only with water. Use clean, dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction, leading to fire or explosion.
Contamination with moisture, organic matter, or other chemicals may start a chemical reaction with generation of heat, liberation of hazardous gases and possible generation of fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or a well-ventilated area. Flood with large volumes of water, if necessary.
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