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MXT-2
BIO-GUARD TREATMENT
Industrial Antimicrobial

APPLICATION

Cooling towers provide a near-ideal environment for microbial proliferation. Warm water temperatures, nutrients, and constant exposure to the surrounding air encourage growth and virtually assure ongoing contamination by microorganisms.

Unchecked microbial growth may also cause a rapid loss of heat-transfer efficiency by fouling piping, nozzles, process heat exchangers, and drift eliminators. Growth under deposits or slime masses can yield accelerated localized corrosion of system metal components.

Microbial organisms in nature vary considerably as a hazard to human health and in susceptibility to any particular bactericide. CH2O's BIO-GUARD series offers a wide variety of biocide products, which have been shown effective against microorganisms found in cooling tower waters.

WATERBORNE PATHOGENS

Legionella bacteria and other pathogens may be present in water systems. Application of a microbicide does not guarantee the absence of such pathogens, nor is it possible or reasonable to eliminate all risk of infection.

DIRECTIONS FOR USE

MXT-2 is used to control algae, bacteria, and fungi in recirculating commercial and industrial water cooling towers and recirculating cooling systems. Review label for specific directions and restrictions for each of these systems.

FEEDING TECHNIQUE

MXT-2 should be added to the water treatment system at a point of uniform mixing such as the basin area. For cooling systems greater than 4000 gallons, do not apply by open pouring of liquid; a metering pump delivery system is required for this use and application method.

SAFETY & HANDLING PROCEDURE

MXT-2 is harmful if swallowed or absorbed through the skin. Wear long-sleeved shirt, long pants, shoes, socks, and chemical resistant gloves made of any waterproof material (such as any waterproof material, such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Natural Rubber, Polyethylene, Polyvinyl Chloride (PVC) or Viton). Review label and SDS for further details on safety and handling guidance.

DOSE & CONTROL (cooling water systems)

Dirty systems must be cleaned prior to treatment.

Initial Slug Dose: 2.9 to 7.3 fluid ounces MXT-2 per 1000 gallons of water to provide 24 to 60 ppm product, based on the total weight of water in the system. Repeat initial dosage until control is evident.

Subsequent Slug Dose: 0.73 to 7.3 fluid ounces of MXT-2 per 1000 gallons of water (6 to 60 ppm product) every 2 to 5 days or as needed. The frequency of addition depends upon the relative amount of bleed off and the severity of the microbiological problem.

Contact your CH2O water treatment specialist or an independent laboratory for further information on analytical testing. Daily testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage and/or health issues. In addition to monitoring and maintaining treatment levels, it is the customer's responsibility to ensure the product is fit for its intended application.

ACTIVE INGREDIENT

Poly [oxyethylene(dimethyliminio) ethylene (dimethyliminio) ethylene dichloride .....20%

PHYSICAL PROPERTIES

pH of 1% Solution..... 5 - 7
Pounds per Gallon..... 8.4 - 8.9
Physical Appearance..... Clear, light amber liquid
Odor .....Mild
Flash Point .....>212°F

Seller Warranty

CH2O brand test reagent refills are available through your sales representative at no charge. Customers are required to confirm product compatibility via a control test for their specific application. CH2O recommends that you perform regular/daily testing to control chemical levels and cycles of concentration within established limits. Additional tests may be performed at your request. Test reports reflect conditions at the point when the analysis was performed. Results will change over time and with varying operating conditions.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the product data sheet. Buyer is responsible to ensure that products and product dosages are appropriate for Buyer's particular application. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty.

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