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BIO-MAX 15
BIO-GUARD TREATMENT
Commercial Microbiocide

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.

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

BIO-MAX 15 is a microbicide for controlling slime-forming and sulfate-reducing bacteria, fungi, yeast and algae. For use in paper mills and associated process water systems; air washers and industrial scrubbing systems; recirculating cooling and process water systems; heat transfer systems; reverse osmosis membranes; service water and auxiliary systems; and aqueous metalworking fluids.

FEEDING TECHNIQUE

BIO-MAX 15 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

When handling BIO-MAX 15, it is important to avoid contact with the liquid and inhalation of the vapors. Wear long-sleeved shirt and pants or coveralls, goggles or face shield and chemical resistant gloves when handling.

DOSE & CONTROL (cooling water systems)

Dirty systems must be cleaned prior to treatment. They can be shock treated by using the highest recommended rate of BIO-MAX 15. Under these conditions, blowdown should be discontinued for up to 24 hours.

Initial dose: When the system is noticeably fouled, add 40.0-80.0 fluid ounces (325-650 ppm) of BIO MAX 15 per 1,000 gallons of water in the system. Repeat until control is achieved.

Subsequent dose: When microbial control is evident, add 16.0-40.0 fluid ounces (130-325 ppm) of BIO MAX 15 per 1,000 gallons of water in the system per day, or as needed to maintain control.

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.

ACTIVE INGREDIENT

1,5-Pentanedial , (glutaraldehyde)..... 15%

PHYSICAL PROPERTIES

pH of 1% Solution..... 3-5
Pounds per Gallon..... 8.4-8.9
Physical Appearance..... Clear, lt. yellow 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.

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.

Applies to all products sold by CH2O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH2O products is subject to the Standard Terms and Conditions as listed on CH2O, Inc.'s website at: www.ch2o.com.

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