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ISOTROL
BIO-GUARD TREATMENT
Industrial Microbicide

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.

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

ISOTROL is an industrial microbicide for use in industrial process water systems, recirculating water cooling towers, air washer systems, paper mill slime control, recirculating closed loop water cooling systems, brewery pasteurizers/can warmer systems, reverse osmosis and ultra-filtration systems.

FEEDING TECHNIQUE

ISOTROL 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

ISOTROL is corrosive, causing irreversible eye damage and skin burns. It is important to avoid contact with ISOTROL, and inhalation of the vapors. Wear long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber; shoes plus socks; goggles and face shield; and chemical resistant apron when handling.

DOSE & CONTROL (cooling water systems)

Initial Dose: When the system is noticeably fouled, apply 148 - 883 ppm ISO-TROL (1.26 - 7.46 pounds or 19 - 113 fluid ounces of ISO-TROL per 1,000 gallons of water in the system).

Subsequent Dose: When microbial control is evident, add 35 - 219 ppm ISO-TROL (0.3 - 1.86 pounds or 4.5 - 28 fluid ounces of ISO-TROL per 1,000 gallons of water in the system) weekly 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.

ACTIVE INGREDIENT

- 5-Chloro-2-methyl-4-isothiazolin-3-one..... 1.11%
2-Methyl-4-isothiazolin-3-one ..... 0.39%

PHYSICAL PROPERTIES

- pH of 1% Solution..... 4-6
Pounds per Gallon..... 8.4-8.9
Physical Appearance..... Clear, colorless to 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 directions for use when used in accordance with the directions under normal conditions.

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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