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ISOTROL NM
BIO-GUARD TREATMENT
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.

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 NM is an industrial microbicide for use in industrial recirculating water cooling towers and industrial recirculating closed loop water cooling systems, air washer systems, metalworking fluids, fuel preservation, brewery pasteurizers and can warmer systems, and ultrafiltration units, such as reverse osmosis systems.

FEEDING TECHNIQUE

For the control of microbial biofilms, bacteria, algae, and fungi, add ISOTROL NM at some point in the system to ensure uniform mixing.

SAFETY & HANDLING PROCEDURE

ISOTROL NM is corrosive, causing irreversible eye damage. The product is harmful if absorbed through the skin. Do not get ISOTROL NM in eyes or on clothing.

Mixers, loaders, and other exposed to product must wear the following PPE: Long-sleeved shirt and long pants; rubber gloves and apron; shoes plus socks; protective eye wear.

DOSE & CONTROL (cooling water systems)

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

Subsequent Dose: When microbial control is evident, add 35 - 219 ppm ISO-TROL NM (0.3 - 1.86 pounds or 4.5 - 28 fluid ounces of ISO-TROL NM 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-isothiazolin-3-one 1.11%
2-Methyl-4-isothiazolin-3-one 0.39%

PHYSICAL PROPERTIES

- pH of Solution..... 2-4
Pounds per Gallon..... 8.3-8.8
Physical Appearance..... Clear, colorless to yellow liquid
Odor..... Pungent

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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