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SRI-5 BIO-GUARD TREATMENT
Bactericide, Fungicide, Algacide, Slimicide

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

SRI-5 is used to control bacteria, fungi and yeasts in paper mills, metalworking fluids containing water, and enhanced oil recovery systems; controls bacteria, fungi, and algae in industrial recirculating water cooling towers and in once-through fresh and sea water industrial cooling water systems; controls slime-forming bacteria and fungi in air-washer systems.

SRI-956 tablets combine a quick-kill in the system with rapid degradation of the DBNPA toxicity. These properties make it easy to achieve forceful microbial control while meeting strict discharge regulations.

DIRECTIONS FOR USE...continued

SRI-5 does not negatively react with other chemicals, such as common scale inhibitors, dispersants, or corrosion inhibitors. The product also functions over a relatively broad pH range; dependable performance has been obtained in waters operating at pH's as high as 8 to 8.5, although performance begins to drop off at pH's over 9.

FEEDING TECHNIQUE

SRI-5 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

SRI-5 causes severe burns of the eyes and irritation of the skin. It is harmful if swallowed. When handling SRI-5 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.

FOR CONTROL OF BACTERIA

Add 0.0038-0.038 gal SRI-5/1,000 gal of water in the system, depending on the severity of contamination.

FOR CONTROL OF FUNGI AND ALGAE

Add 0.116-0.380 gal SRI-5/1,000 gal of water in the system depending on the severity of the contamination

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

2, 2-dibromo-3-nitropropionamide (DBNPA)5%

PHYSICAL PROPERTIES

pH of 1% Solution.....6 - 7
Pounds per Gallon.....9.2 - 9.7
Physical Appearance..... Orange 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.

