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OXY-BROM 40
BIO-GUARD TREATMENT
Fungicide, Algicide, Slimicide, Molluscicide

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

When used in conjunction with an oxidant, OXY-BROM 40 effectively controls algal, bacterial, and fungal slime and controls the settlement and growth of mollusks such as the zebra mussel or the Asiatic clam in commercial and industrial cooling towers; influent water systems such as flow through filters, cooling ponds, canals, and lagoons; heat exchange water systems; air washers; pasteurizers; retort systems; and industrial water scrubbing systems.

FEEDING TECHNIQUE

OXY-BROM 40 should be added to the system at a 0.125 to 2.0 sodium bromide/oxidant mole ratio. The products should be added to the water treatment system at a point of uniform mixing such as the basin area.

SAFETY & HANDLING PROCEDURE

OXY-BROM 40 causes substantial but temporary eye injury. Do not get in eyes or on skin or on clothing. Wear protective eyewear (chemical goggles or face shield), protective clothing and gloves resistant to chemical permeation.

DOSE & CONTROL (cooling water systems)

Initial Dose: When the system is noticeably fouled, add 0.0003 to 0.024 gallons of OXY-BROM 40 per 1000 gallons of water contained in the system and oxidize with either gas chlorine (0.008 to 0.040 pounds gas chlorine per 1000 gallons of contained water), or sodium hypochlorite solution (0.007 to 0.032 gallons of 12.5% sodium hypochlorite per 1000 gallons of contained water).

Subsequent Doses: When microbial control is evident, add 0.0002 to 0.024 gallons of OXY-BROM 40 per 1000 gallons of water contained in the system and oxidize with either gas chlorine (0.004 to 0.040 pounds gas chlorine per 1000 gallons of contained water), or sodium hypochlorite solution (0.003 to 0.032 gallons of 12.5% sodium hypochlorite solution per 1000 gallons of contained water).

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

Sodium Bromide.....40%

PHYSICAL PROPERTIES

pH of 1% Solution.....6.0-8.0
Pounds per Gallon.....11.6-12.1
Physical Appearance.....Clear, colorless 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. Buyer assumes the risk of any use contrary to such directions. 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.

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