



8820 Old Hwy 99 SE, Tumwater, Washington 98501, USA
360-943-6063 800-562-6184 FAX 360-352-4813 www.ch2o.com

BIO-TROL 20A
BIO-GUARD TREATMENT
Industrial Antimicrobial

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-TROL 20A aids in controlling microbial growth in industrial and/or commercial recirculating cooling water systems, heat transfer systems, service water and auxiliary systems, air washer systems, industrial fresh water systems, solutions/emulsions, and industrial wastewater systems.

BIO TROL 20A is noncorrosive and does not contain heavy metals.

DOSE & CONTROL (cooling water systems)

Dirty systems must be cleaned prior to treatment.

Initial Slug Dose: Add 350 – 1312.5 ppm of BIO-TROL 20A, based on total water volume. Repeat until control is obtained. Thereafter, add either intermittently or continuously each day.

Intermittently: 130 – 525 ppm of BIO-TROL 20A
Continuously: 70 – 245 ppm of BIO-TROL 20A

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

Tetrakis (hydroxymethyl) phosphonium sulfate..... 20%

PHYSICAL PROPERTIES

pH of 1% Solution..... 5
Pounds per Gallon..... 9.0-9.4
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 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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