

MICROBIOCIDE

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DESCRIPTION

7423 microbiocide is a broad spectrum, water soluble antimicrobial for the control of bacteria, algae, and fungi in industrial recirculating water cooling towers and airwasher systems. It is particularly effective in eliminating established colonies of bio-mass and preventing their development on clean surfaces.

APPLICATION

7423 has numerous performance advantages: It is effective at alkaline and acid pH - possesses effective control against anaerobic and aerobic bacteria both sulfate-adhering and free floating bacterial populations - is compatible with most anionic, cationic, and nonionic formulations - does not foam - is biodegradable. 7423 microbiocide is highly effective at low concentrations and advantageous on a cost/performance basis.

PHYSICAL PROPERTIES

Color & Form.....Colorless liquid
Specific Gravity..... 1.02
Density8.5 lbs./gal.
pH..... <3.0
OdorMild aromatic

DOSAGE & FEEDING

Industrial Recirculating Cooling Towers: Apply an initial dose of 148 to 883 ppm of product (19 to 113 fluid ounces) per 1,000 gallons of water in the system. The product should be added separately to the system and fed with a metering pump, either continuously or intermittently at a point of uniform mixing. Repeat until control is evident. When microbial control is achieved, feed a subsequent dose of 35 to 219 ppm of product (4.5 to 28 fluid ounces) weekly or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

Airwasher Systems: To insure uniform mixing, feed the product to the airwasher or chill water sump at a dose of 35 to 883 ppm (4.5 to 113 fluid ounces) per 1,000 gallons of water in the system depending upon the severity of microbiological contamination. When the system is noticeably fouled, add an initial dose of 148 to 883 ppm of product (19 to 113 fluid ounces) per 1,000 gallons of water in the system. Repeat until control is achieved. When microbial control is evident, add a subsequent dose of 35 to 219 ppm of product (4.5 to 28 fluid ounces) per 1,000 gallons of water weekly or as needed to maintain control. Continuous feed method: When the system is noticeably fouled, apply an initial dose of 148 to 883 ppm of product (19 to 113 fluid ounces) per 1,000 gallons of water in the system. Maintain this treatment level by adding a continuous feed of 35 to 219 ppm of product (4.5 to 28 fluid ounces) per 1,000 gallons of makeup water. Badly fouled systems must be cleaned before initial treatment.

HANDLING & PRECAUTIONS

This material is corrosive and a skin-sensitizer. Avoid eye and skin contact and inhalation of vapors. Immediately flush eyes thoroughly with large quantities of water and obtain medical attention. Wash affected skin with soap and water. Wear protective clothing and rubber gloves. Refer to the Material Safety Data Sheet for additional safe handling information.

PACKAGING

7423 microbiocide is packaged in:

5-gallon container net wt 40 lbs.
30-gallon drums net wt 250 lbs.
55-gallon drums net wt 475 lbs.