



# MICROBIOCIDES

## Isocil RW 1.5

### 7424

#### DESCRIPTION

Isocil RW 1.5 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. Isocil RW 1.5 is a metal free formulation

#### APPLICATION

Isocil RW 1.5 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. Isocil RW 1.5 is highly effective at low concentrations and advantageous on a cost/performance basis.

#### PHYSICAL PROPERTIES

Color & Form .....Colorless liquid  
Specific Gravity..... 1.02  
Density .....8.5 lbs/gal  
pH.....< 4.0  
Odor .....Mild 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 *Material Safety Data Sheet* for additional safe handling information.

#### PACKAGING

Isocil RW 1.5 (7424) liquid is available in:

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