

PRODUCT DATA SHEET

PRODUCT NAME: RTW-160
TYPE: Microbiocide – Biodispersant

PRODUCT DESCRIPTION

RTW-160 is a high-performance, non-toxic, liquid microbiocide and biodispersant designed to control algae, slime, and microbial growth in industrial water systems. It is a stable, water-soluble formulation composed of quaternary ammonium compounds and other biocidal agents, specially buffered for use in recirculating cooling towers, air washers, and evaporative condensers. RTW-160 does not require specialized dosing equipment, making it convenient and cost-effective to apply.

APPLICATION AREAS

Ideal for use in:

Cooling towers

Air washers

Evaporative condensers

Recirculating industrial water systems

KEY FEATURES & BENEFITS

- **Broad-spectrum Biocidal Activity:** Controls bacteria, fungi, algae, and seaweed.
- **Non-Volatile:** Maintains concentration independent of circulation rate.
- **Biodispersant Action:** Disrupts and prevents biofilm and slime formation.
- **Non-Toxic:** Safe to handle with minimal environmental impact.
- **No Special Equipment Needed:** Easily applied without specialized feeders.
- **Surface Saturation:** Ensures deep system penetration and long-term protection.
- **Compatible:** Works with most water treatment chemicals (avoid mixing with anionic surfactants).

DOSAGE & USAGE GUIDELINES

- **Standard Dosage:** 30–70 ppm once per week.
- **Initial Treatment Phase:** For heavily fouled systems or when beginning RTW-160 usage, a higher dosage is recommended for 4 to 6 weeks to effectively remove existing algae and slime and ensure system surface saturation.
- **Monitoring:** Adjust dosing based on water temperature, microbiological test results, visual inspection, or input from a water treatment professional.

WHY RTW-160 OUTPERFORMS ORDINARY ALGAECIDES

- **Long-Term Effectiveness:** Prevents microbial mutation and resistance.
- **Non-Corrosive:** Unlike chlorine or metal-based biocides, RTW-160 does not corrode system components or degrade wooden structures.
- **No Delignification Risk:** Safe for systems with wooden parts.
- **Irritation-Free Handling:** No harsh fumes or irritating side effects.

BIOCIDE ROTATION PROGRAM

To prevent the development of resistant microbial strains, a rotating biocide schedule is recommended:

- **Weeks 1–3:** Apply RTW-160 weekly.
- **Week 4:** Replace with RTW-161, a non-oxidizing biocide for complete microbial control.
- **Repeat the 4-week cycle continuously.**

This rotation ensures that organisms adapted to one biocide are eradicated by the alternate treatment.

STORAGE & SAFETY

Store in a cool, dry place. Avoid direct sunlight. Use appropriate personal protective equipment. Avoid contact with eyes and skin.

PACKAGING

Polyethylene drums of 25 or 220 liters, containers of 1000 liters.