

## PRODUCT DATA SHEET

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**PRODUCT NAME:** RTW-161

**TYPE:** Non-Oxidising Biocide

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### PRODUCT DESCRIPTION

RTW-161 is a powerful blend of selected isothiazolines and other biocidal agents, designed for rapid and effective microbial control in industrial systems. It is ideal where quick deactivation of microbes is essential to avoid resistance and ensure operational integrity.

RTW-161 provides high-performance biocidal action across a wide range of industrial applications, including closed recirculating systems, cooling towers, pulp and paper mills, oilfield injection water, HVAC systems, and food processing environments.

This formulation is effective against bacteria, fungi, and yeast, and is compatible with most system chemistries. Its low use levels and ease of application make it a cost-effective and convenient solution.

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### KEY FEATURES & BENEFITS

- **Broad-Spectrum Efficacy:** Controls bacteria, fungi, and yeast.
  - **Low Dosage Efficiency:** Effective at minimal concentrations.
  - **Fast-Acting Mechanism:** Rapid inhibition of microbial synthesis processes.
  - **Halogen Synergy:** Enhances halogen-based disinfection systems.
  - **Stable Across pH Range:** Remains effective in variable pH environments.
  - **Environmentally Responsible:** Minimal environmental impact.
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### APPLICATION AREAS

Ideal for use in:

- Cooling Towers & Power Plants
  - Closed Recirculating Water Systems
  - Air Washers & HVAC Units
  - Pulp & Paper Mills
  - Oilfield Injection Water
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### DOSAGE & INSTRUCTIONS

#### Feeding Method:

Introduce RTW-161 using a metering pump at a location that ensures uniform distribution. Both continuous and periodic dosing are supported. Use only corrosion-resistant equipment.

#### Recommended Dosages:

- **Closed Systems:** Initial dose of 70–150 ppm of total system volume.
- **Cooling Towers / Air Washers:** Shock dosing of 70–150 ppm weekly.
- **Pulp & Paper Mills:** 200–400 g per ton of dry paper.
- **Slime Removal (Heavily Fouled Systems):** 500 ppm, 2–3 times per week until system is clean.

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## **ROTATIONAL BIOCIDES PROGRAM**

To minimize microbial resistance:

- Use **RTW-160** for three weeks
- Use **RTW-161** in the fourth week
- Repeat cycle continuously

This rotation disrupts microbial adaptation and maintains biocidal effectiveness.

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## **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.