

## PRODUCT DATA SHEET

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### PRODUCT NAME: RTW-170

#### **TYPE: Concentrated Advanced Iron Dispersant, Corrosion Inhibitor & Hardness Control Agent**

Optimized for Cooling Water Treatment | Fully Compatible with Oxidizing Biocides

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### PRODUCT DESCRIPTION

**RTW-170** is a high-performance, concentrated liquid formulation designed for comprehensive cooling water treatment. It incorporates a synergistic blend of efficient dispersant for hardness salts and metallic oxides, and advanced corrosion inhibitors to effectively control iron fouling, scale formation, and corrosion. This environmentally responsible product is free from chromates, nitrites, zinc, and other harmful substances. It is fully compatible with chlorine and other oxidizing biocides commonly used in cooling systems

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### KEY FEATURES & BENEFITS

- **Triple Functionality:** Provides iron dispersion, corrosion inhibition, and scale prevention in a single product.
  - **Low Dosage, High Efficiency:** Effective at concentrations as low as 5–15 ppm.
  - **Environmentally Responsible:** Free from toxic heavy metals or restricted substances.
  - **Oxidizing Biocide Compatible:** Safe to use alongside chlorine and similar biocides.
  - **Flexible System Use:** Suitable for high scaling ( $LSI > 1$ ) and can be paired with **RTW-120** and **RTW-121** when  $LSI < 1$ .
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### APPLICATIONS

Designed for open recirculating cooling water systems and cooling towers, especially:

- Where **Langelier Saturation Index (LSI) > 1** – used independently
  - Where **LSI < 1** – recommended in combination with **RTW-120** and **RTW-121** for enhanced corrosion protection
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### DOSAGE & CONTROL

- **Typical Dose:** 5–15 ppm depending on system conditions and fouling severity
  - **Monitoring Target:** Maintain **>1 ppm** phosphonate concentration in system water
  - **System optimization** may require customized dose settings. Consult with technical support for precise control.
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### STORAGE & SAFETY

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

### PACKAGING

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