

## PRODUCT DATA SHEET

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**PRODUCT NAME: RTW-179**  
**TYPE: Iron Dispersant & Deposit Control Agent**  
For Open-Loop Cooling Water Systems

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### PRODUCT DESCRIPTION

**RTW-179** is a high-performance, concentrated liquid polymer designed to prevent scale and deposit formation in industrial cooling water systems. It effectively inhibits the precipitation of **calcium carbonate** and **calcium sulphate**, while dispersing iron and other suspended solids to maintain clean and efficient heat transfer surfaces.

This new-generation formulation is ideal for systems operating with scaling tendencies, and it does **not contain chromates, nitrites, zinc, or other toxic ingredients**, making it an environmentally safe choice.

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### KEY BENEFITS

- **Dual Function:** Prevents calcium-based scale and disperses iron deposits
- **Low-Dose Efficiency:** Effective at concentrations as low as 5–15 ppm
- **Non-Toxic Formula:** Free from heavy metals and hazardous substances
- **Flexible Compatibility:** Can be paired with **RTW-120** and **RTW-121** for enhanced corrosion protection under neutral water conditions
- **Improves System Reliability:** Minimizes downtime and maintenance by controlling scale and deposits

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### APPLICATIONS

RTW-179 is suitable for use in:

- **Open recirculating cooling systems**
- **Cooling towers** with **positive Langelier Saturation Index (LSI > 0)**
- Systems with **neutral LSI (~0)** in combination with **RTW-120** and **RTW-121** to provide complete scale and corrosion control

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### RECOMMENDED DOSAGE

- **Typical Range:** 5–15 ppm based on system water volume
- **Optimal dosage** depends on feed water chemistry, scaling tendency, and operational parameters.
- Consult with our technical support team for system-specific dosing recommendations.

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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.