

## PRODUCT DATA SHEET

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**PRODUCT NAME: RTW-420**  
**TYPE: Acidic Powder Descaling Agent**

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### PRODUCT DESCRIPTION

RTW-420 is a specialized powder acid formulation engineered to remove calcium carbonate and magnesium hydroxide scale from boilers, heat exchangers, evaporators, and water systems. Its unique blend of inhibitors and surface-active agents ensures efficient scale removal while protecting intact metal surfaces.

### KEY FEATURES & BENEFITS

- Efficient Scale Removal:
  - Rapidly dissolves light deposits of scale and rust, converting them into highly soluble salts.
- Metal Surface Protection:
  - Inhibitors prevent aggressive attack on sound metal, maintaining system integrity.
- Single-Step Restoration:
  - One treatment can restore optimal heat transfer efficiency; periodic use prevents severe buildup.
- Operational Flexibility:
  - Effective in both cold and heated solutions; maximum efficacy achieved at 60°C

### APPLICATION INSTRUCTIONS

#### Dilution:

- Use 10% RTW-420 solution in water. Adjust concentration based on severity and type of scale.

#### System Charging:

- Add RTW-420 directly to system water.

#### Circulation:

- Recirculate the solution - either cold or heated—for 2 to 6 hours depending on deposit level.

#### Strength Adjustment:

- If solution weakens during use, replenish directly with RTW-420 to maintain strength.

#### Neutralization:

- After cleaning, flush system thoroughly and neutralize residual acidity using RTW-438, at 1–2% concentration.

#### Post-treatment:

- Circulate RTW-438 solution (hot or cold) for 1–3 hours, then fully drain and rinse with water.

### Efficiency Tips

- Hot solution (50–60°C) accelerates cleaning action
- Regular treatments prevent costly downtime and equipment damage

- Compatible with standard circulation systems

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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.