



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-40-4091-025

Scale and Corrosion Inhibitor for Cooling Water

A high-performance, multi-functional cooling water treatment designed to deliver complete system protection in demanding industrial environments.

- Prevent scale formation even in high-hardness waters.
- Stop corrosion on steel, copper, brass, and other metals
- Control microbiological fouling, keeping systems clean and efficient.

Formulated for open recirculating, closed loop, and once-through systems, RXSOL-40-4091-025 ensures maximum heat transfer efficiency, extended equipment life, and reduced unplanned downtime. Whether protecting cooling towers, heat exchangers, or industrial chillers, RXSOL-40-4091-025 delivers consistent, reliable performance under a wide range of operating conditions.

Applications	Typical Dosage
• Open Recirculating Cooling Towers • Closed Loop Chilled Water & Hot Water Systems • Once-Through Cooling Systems • Heat Exchangers & Condensers • Industrial Process Cooling – Suitable for steel plants, chemical industries, petrochemicals, refineries, paper mills, and food processing facilities. • Air Compressor & Engine Jacket Cooling Systems	Initial Charge: 100-150 ppm product in system water. Maintenance Dose: 50-80 ppm, adjusted based on system metallurgy, water chemistry, and operating conditions. Feeding Method: • Feed neat or pre-diluted via a metering pump directly into the cooling tower basin or recirculating line. • For microbiological control, slug dose biocide component 2-3 times per week depending on biological loading.
Compatibility • RXSOL-40-4091-025 is compatible with most non-oxidizing biocides. • When using oxidizing biocides, feed separately to avoid degradation of this synergistic product. • Avoid direct mixing with cationic polymers.	Control Parameters: Maintain phosphate residual (as PO_4^{3-}) in system: 3-5 ppm. Maintain pH in cooling water: 7.5 – 9.0. NOTE: RXSOL-40-4091-025 dosing entirely depends on water metallurgy and system condition. Consult our technical experts for correct dosage.
Advantages • Multi-functional – controls corrosion, scale, and microbiological growth in one product. • Effective in hard water – threshold inhibition and dispersion prevent scale deposition. • Broad spectrum – active against bacteria, algae, and fungi. • Reduces downtime – maintains heat transfer efficiency and prolongs equipment life.	

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