



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-40-4011-025

Corrosion Inhibitor Multifunctional Closed Chilled Systems

RXSOL Corrosion Inhibitor Multi Metal is a **high-performance, molybdate-based multi-metal corrosion inhibitor** formulated specifically for **closed cooling water systems** operating under **high temperature and high heat flux conditions**. The product is a **synergistic blend of molybdate, nitrite, azole, scale inhibitors, and dispersants**, designed to provide **rapid passivation and long-term corrosion protection** for **mild steel, copper, and copper alloy metallurgies** commonly found in closed-loop systems. It also controls **scale formation and particulate fouling**, ensuring clean heat transfer surfaces and improved system efficiency.

Application	Properties												
Corrosion Inhibition for mixed-metallurgy closed cooling systems, including: • HVAC chilled and hot water systems • Industrial closed cooling loops • Engine jacket water systems • Heat exchangers and cooling circuits • Power plant auxiliary cooling systems	<table><tr><th>Property</th><th>Value</th></tr><tr><td>Appearance</td><td>Clear to slightly hazy liquid</td></tr><tr><td>Density</td><td>approx 1.15 g/cm³ @ 20°C</td></tr><tr><td>pH (concentrated)</td><td>9.0 - 10.5</td></tr><tr><td>Solubility</td><td>Completely soluble in water</td></tr><tr><td>Odour</td><td>Mild</td></tr></table>	Property	Value	Appearance	Clear to slightly hazy liquid	Density	approx 1.15 g/cm ³ @ 20°C	pH (concentrated)	9.0 - 10.5	Solubility	Completely soluble in water	Odour	Mild
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Mechanism • Major components provide rapid passivation of mild steel surfaces, forming a stable protective oxide film. • Other proprietary components protect copper and copper alloys by forming an adsorbed molecular barrier. • Dispersants prevent deposition of suspended solids. • Scale inhibitors control formation of inorganic scales such as calcium carbonate.													

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