



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-81-8153-210

Coil Tubing Lubricant

RXSOL Coil Tubing Lubricant is a high-performance **water-soluble anionic polymer-based lubricant** specifically formulated to reduce friction and torque during coil tubing operations in oilfield and industrial applications.

The product forms a **thin, lubricious polymer film** on metal surfaces, significantly minimizing drag, wear, and energy consumption. It is particularly effective in extended reach wells, deviated drilling, and high-friction environments.

Lubricant Applications	Technicals														
• Coil tubing operations • Horizontal and directional drilling • Workover and completion fluids • Pipeline pigging and cleaning • Wireline and downhole tool lubrication • High-friction fluid systems How to use Coil Tubing Lubricant 1. Add directly to the fluid system through mixing hopper or circulation system 2. Ensure uniform distribution by adequate agitation 3. Compatible with most additives used in water-based systems Compatible with: • Brines (NaCl, CaCl₂, KCl) • Common drilling and completion additives • Polymers and viscosifiers • Corrosion inhibitors Performance • Reduces coefficient of friction by 30-70% depending on system • Forms persistent lubricating film under shear conditions • Maintains performance in high salinity environments • Improves operational efficiency and reduces mechanical failures	<table><tr><th>Parameters</th><th>Values</th></tr><tr><td>Form</td><td>Viscous Liquid</td></tr><tr><td>Flash Point</td><td>>98.3° C</td></tr><tr><td>Odor</td><td>Characteristic</td></tr><tr><td>pH</td><td>6 - 8</td></tr><tr><td>Sp. Gravity</td><td>1.05-108</td></tr><tr><td>Solubility</td><td>Completely Water Soluble</td></tr></table> Advantages • Excellent friction reduction and drag control • Improves rate of penetration (ROP) • Enhances tubing life by reducing wear • Compatible with most water-based fluid systems • Effective in fresh water, brine, and hard water • Low foaming characteristics • Easy to mix and handle • Stable under wide temperature and pressure conditions • Environmentally acceptable (non-hydrocarbon based)	Parameters	Values	Form	Viscous Liquid	Flash Point	>98.3° C	Odor	Characteristic	pH	6 - 8	Sp. Gravity	1.05-108	Solubility	Completely Water Soluble
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