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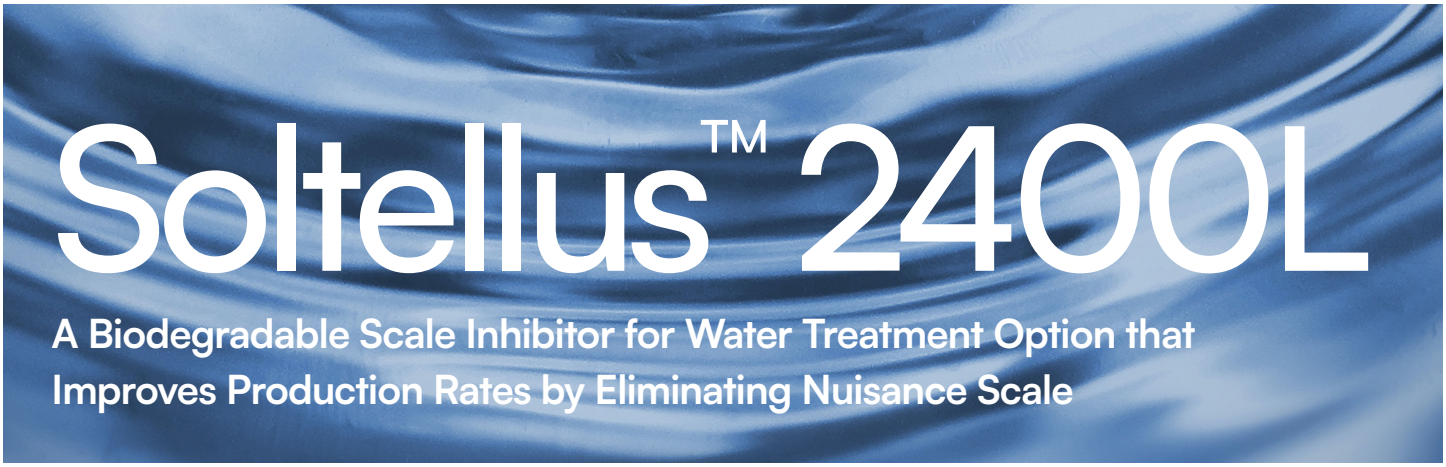

Soltellus™ 2400L

A Biodegradable Scale Inhibitor for Water Treatment Option that Improves Production Rates by Eliminating Nuisance Scale

Overview

Introducing Soltellus™ polymer, our cutting-edge biodegradable scale inhibitor designed to revolutionize water treatment processes in desalination membranes, cooling towers, and oilfield produced water. Our advanced formula ensures efficient scale prevention while prioritizing environmental sustainability. With our product, you can safeguard equipment, enhance performance, and contribute to a greener future.

>80%
reduction in calcium carbonate & barium sulfate scale

Benefits

HIGHLY EFFECTIVE SCALE PREVENTION

Our biodegradable scale inhibitor provides superior protection against scale formation, reducing downtime and maintenance costs.

MULTI-APPLICATION COMPATIBILITY

Suitable for desalination membranes, cooling towers, and oilfield produced water, offering versatility and ease of implementation across various water treatment systems.

ENVIRONMENTAL RESPONSIBILITY

Our environmentally friendly product ensures minimal ecological impact while maintaining peak performance.

IMPROVED EQUIPMENT LONGEVITY

By preventing scale accumulation, our inhibitor enhances the lifespan of equipment, minimizing the need for frequent replacements and reducing operational expenses.

ENHANCED EFFICIENCY

The scale inhibitor optimizes water flow, improving energy efficiency and reducing the overall carbon footprint.

EASY INTEGRATION

Compatible with existing water treatment systems, our inhibitor can be seamlessly integrated into your current processes without requiring extensive modifications.

SAFE AND NON-TOXIC

Our product is formulated with non-toxic ingredients, ensuring the safety of operators, nearby ecosystems, and the environment.

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Soltellus Scale Inhibition Benefits by Market

	Eliminate Flow Restriction	Increase Production & Recovery	Environmental Impact
Oil Fields	>90% reduction in calcium carbonate & barium sulfate scale Effective in dosages of 15 ppm	+30% increase in oil & gas production <50% freshwater demand	No phosphorus release Biodegradable
Desalination	>80% reduction in calcium carbonate & barium sulfate scale Improved flux rates	>70% recovery of permeate water	No phosphorus release Biodegradable
Cooling Towers	>90% reduction of calcium carbonate and barium sulfate scale Effective in dosages as low as 15 ppm	Increased number of concentration cycles for cooling towers	No phosphorus release Biodegradable

Proven Results as a Scale Inhibitor

Third-party Dynamic Scale Loop Tests were conducted with a synthesized high-concentration brine simulating downhole Permian water. The hardness of the brine was 15,695 mg/L. Soltellus and a carboxylate copolymer were the only inhibitors that passed by resisting scale deposition for a period of more than 3 times blank scale-up time, polyacrylate and EDTA were not effective.

Soltellus Against Alternative Commercial Antiscalants in a Dynamic Loop Test With Synthetic High Concentration Brine (Low Dose)