

# Soltellus<sup>™</sup> 2402L

A Biodegradable Scale Inhibitor that Improves Operational Efficiency

# **Overview**

Introducing Soltellus™ 2402L 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.

# **Key Features and 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.

#### SAFE & NON-TOXIC

Our environmentally friendly, non-toxic product ensures the safety of operators, nearby ecosystems, and the environment 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 exextensive modifications. 22%

Up to 22% Increase In Performance Compared to Conventional Polyaspartate

>95%

Reduction in Calcium Carbonate & Barium Sulfate Scale

Marketing Sell Sheet: Water Treatment Document No: MSS-007 | Version 1.0



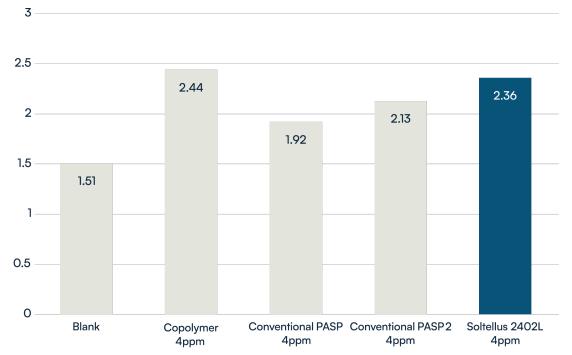
# Soltellus Scale Inhibition Benefits by Market

	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 Langlier Saturation Index (LSI) tests were conducted with Soltellus and other conventional scale inhibition alternatives at a low dosage of 4 ppm. Soltellus showed a 22% increase in scale inhibition compared to current conventional polyaspartate (PASP) offerings and performed on par with conventional non-biodegradable alternatives.

## Soltellus Scale Inhibition Performance Against Alternative Commercial Antiscalants



Marketing Sell Sheet: Water Treatment Document No: MSS-007 | Version 1.0