

Soltellus™ 2402L

A Biodegradable Scale Inhibitor that Enhances System Efficiency & Extends the Lifespan of Process Equipment

Overview

Introducing Soltellus™ 2402L polymer, a biodegradable scale inhibitor designed to revolutionize water treatment processes in membrane filtration, manufacturing, mining, and oil and gas. With Soltellus, you can safeguard equipment, enhance performance, and contribute to a greener future.

Soltellus 2402L Key Features & Benefits

HIGHLY EFFECTIVE SCALE PREVENTION

Offers 2-for-1 scale and corrosion protection at low dosages and includes iron and magnesium chelation, reducing downtime and maintenance costs.

COST SAVINGS

Enhances the lifespan of equipment, minimizing the need for frequent replacements and reducing operational expenses.

MULTI-APPLICATION COMPATIBILITY

Suitable for membrane filtration and oilfield-produced water, offering versatility and ease of implementation across various water treatment systems while complying with relevant regulations.

SAFE & NON-TOXIC

Ensures the safety of operators, nearby ecosystems, and the environment while maintaining peak performance.

ENHANCED EFFICIENCY

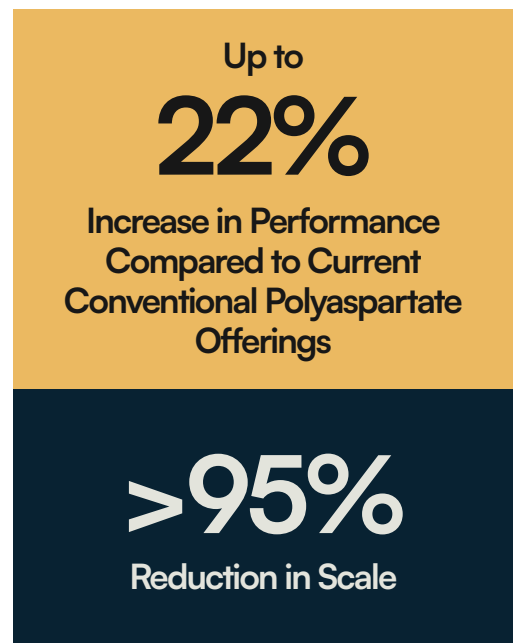
Optimizes water flow, improving energy efficiency and reducing the overall carbon footprint.

EASY INTEGRATION

Compatible with existing water treatment systems, and can be seamlessly integrated into your current processes without requiring extensive modifications or disrupting existing coatings.

OIL FIELD SERVICES

Enhances halite dissolution and performance in high salinity environments.



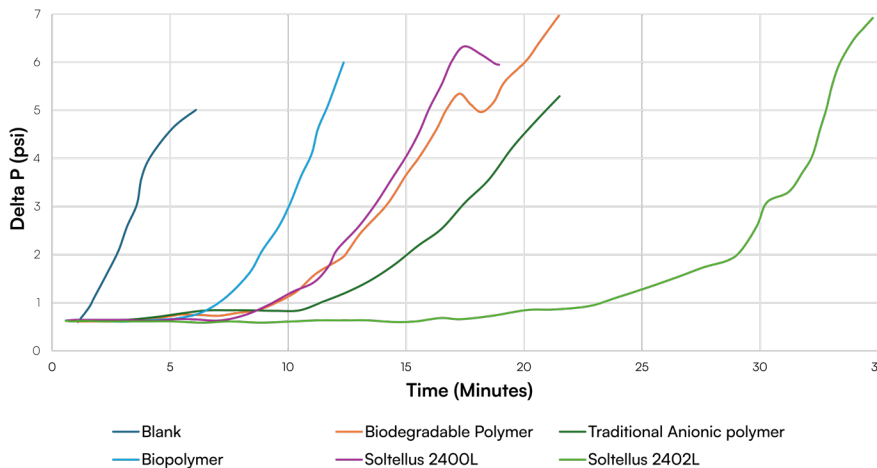
Up to
22%
Increase in Performance
Compared to Current
Conventional Polyaspartate
Offerings

>95%
Reduction in Scale

Soltellus Scale Inhibition Benefits by Market

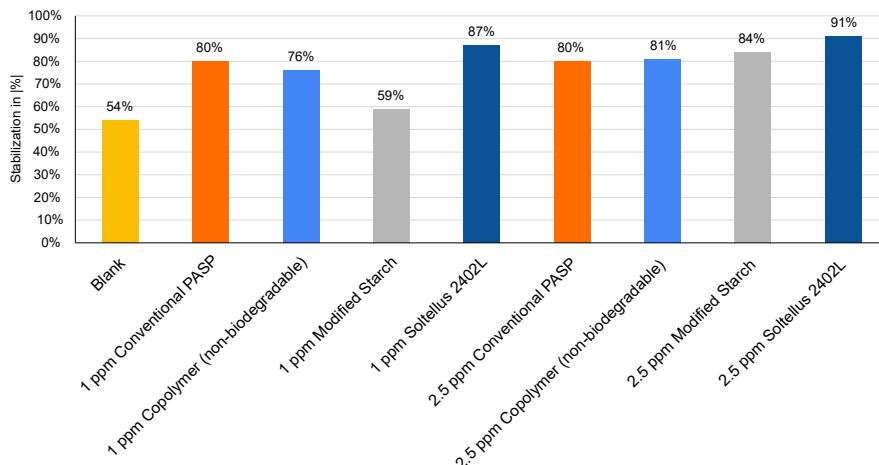
	Eliminate Flow Restriction	Increase Production & Recovery	Environmental Impact
Oil Fields	<ul style="list-style-type: none"> >90% reduction in calcium carbonate & barium sulfate scale Effective at low dosages 	<ul style="list-style-type: none"> +30% increase in oil & gas production <50% freshwater demand 	<ul style="list-style-type: none"> No phosphorus release Biodegradable
Membrane Filtration	<ul style="list-style-type: none"> >80% reduction in calcium carbonate & barium sulfate scale Improved flux rates 	<ul style="list-style-type: none"> >70% recovery of permeate water 	<ul style="list-style-type: none"> No phosphorus release Biodegradable

Soltellus Outperformed Commercial Anti-Scalants Including Conventional Polyaspartate



Third-party Shaker Bath tests were conducted with Soltellus and other conventional scale inhibition alternatives at low dosages of 0.5 ppm, 1.0 ppm, and 2.5 ppm. Soltellus showed better calcium carbonate stabilization than current conventional polyaspartate (PASP) offerings and performed on par with conventional non-biodegradable alternatives.

Soltellus Inhibited Scale Formation Significantly Longer than Conventional Polyaspartate



Third-party Once-Through DMEG tests were conducted with Soltellus and conventional scale inhibitors at a low dosage of 2 ppm. Soltellus inhibited scale significantly longer than conventional PASP and non-biodegradable alternatives. The method involved calcium and carbonate solutions pumped through a heated capillary, measuring pressure increases over time.