

Soltellus™ 2400L

A Biodegradable Scale & Corrosion Inhibitor that is
Crucial for Maintaining Equipment Integrity & Minimizing Downtime

Overview

Introducing Soltellus™ 2400L polymer, a biodegradable scale and corrosion inhibitor designed to provide effective protection in industrial cooling. With Soltellus, you can safeguard equipment, enhance performance, and contribute to a greener future.

Soltellus 2400L Key Features and Benefits

SUPERIOR CORROSION PROTECTION

Offers superior resistance to corrosion, preserving the integrity and longevity of pipes and pumps.

HIGHLY EFFECTIVE SCALE PREVENTION

Protects against scale formation, reducing downtime and maintenance costs.

MULTI-APPLICATION COMPATIBILITY

Suitable for industrial cooling, 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.

COST SAVINGS

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

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.

>80%

Resistance to Corrosion in
High Concentrations*

29%

Up to 29% Reduction in
Maintenance Costs⁺

*Demonstrated by a leading water treatment solutions provider case study (Nalco Water, 2016).

⁺Nalco Water. (2016). The Economic Impact of Utilizing Polyaspartate for Scale and Corrosion Control in Cooling Water Systems. [Case Study]. Retrieved from <https://www.nalco.com/-/media/documents/case-studies/cooling-water/case-study-polyaspartate-uk.pdf>

Soltellus Scale and Corrosion Inhibition Benefits for Industrial Cooling

Eliminate Flow Restriction	Increase Production & Recovery	Environmental Impact
>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.

		% reduction in CaCO ₃ scale by weight
Control	0.00058	
5ppm	0.00013	77.59%
10ppm	0.00006	89.66%
20ppm	0.00001	98.28%

Dosages are as is not by dry basis.

Proven Results as a Corrosion Inhibitor

Third-party Rotating Cylinder Electrode (RCE) Tests were conducted with a synthesized high-concentration brine mimicking downhole Permian water. Soltellus outperformed commercial inhibitors for cooling tower closed loop and open systems, achieving the highest corrosion efficiency rate of 82% at a 100 ppm dose.

