

Soltellus™ 2400L

**Biodegradable Corrosion Inhibitor:
The Sustainable Solution for Effective Metal Protection**

Overview

Our biodegradable corrosion inhibitor is a revolutionary solution designed to provide effective metal protection while ensuring minimal impact on the environment. Unlike traditional inhibitors that contain harmful chemicals, Soltellus combines superior corrosion resistance with eco-friendly properties. It forms a protective barrier on metal surfaces, preventing corrosion and extending the lifespan of various materials.

>80%
**resistance to corrosion
in high concentrated salt
water at a dosage as low
as 100 ppm**

Benefits

SUPERIOR CORROSION PROTECTION

Our biodegradable corrosion inhibitor offers >80% resistance to corrosion in high concentrated salt water at a dosage as low as 100 ppm.

ENVIRONMENTAL SUSTAINABILITY

With a commitment to sustainability, our product is formulated using biodegradable and non-toxic materials, minimizing harm to the environment without compromising performance.

LONG-LASTING PERFORMANCE

The inhibitor's advanced formula ensures long-lasting protection, reduces maintenance costs, and preserves the integrity and longevity of pipes and pumps.

VERSATILITY

Our corrosion inhibitor is suitable for use across a wide range of industries, including oil and gas, manufacturing, mining, cooling towers, and more. It can be applied to various metal surfaces, including carbon steel and magnesium alloy.

EASE OF APPLICATION

The inhibitor is designed for easy injection application adhering effectively to metal surfaces, forming a durable and protective layer.

NON-DISRUPTIVE TO EXISTING COATINGS

Our product is compatible with existing coatings and paints, making it a convenient choice for maintenance and retrofitting projects.

REPUTATION ENHANCEMENT

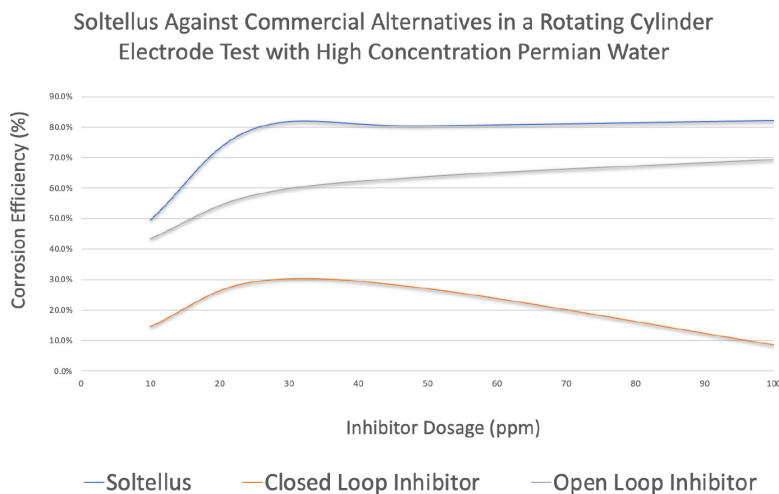
Using our biodegradable corrosion inhibitor showcases your company's dedication to environmentally friendly practices, enhancing your brand image and reputation.

CERTIFICATIONS AND COMPLIANCE

Our biodegradable corrosion inhibitor meets the highest industry standards for environmental safety and product performance. It is compliant with relevant regulations, including TSCA and NDS.

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.



Surface observation and analysis of test coupons with and without treatment.

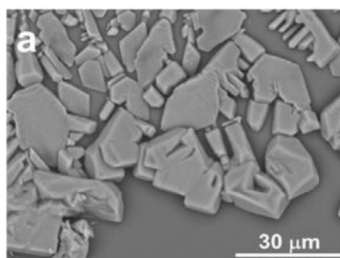


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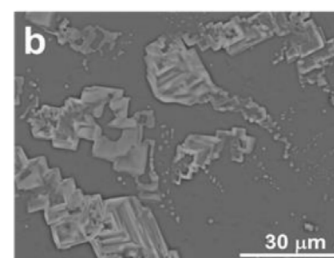


100 mg/L polyaspartate

Scanning electronic microscopy (SEM) images of CaCO₃ with polyaspartate over 24 hours



Blank



Polyaspartate

Cite: Zhou, Y., Wang, J., & Fang, Y. (2021). Green and High Effective Scale Inhibitor Based on Ring-Opening Graft Modification of Polyaspartic Acid. Catalysts, 11(7), 802. doi:10.3390/catal11070802