



# StimMax™

non-conventional • bio-derived • nano-scale

## Corrosion Inhibitor Mono-1 (Phase I) "SEAL THE STEEL"

### DESCRIPTION

Corrosion costs the oil and gas industry untold millions of dollars in damages due to stress corrosion cracking, corrosion fatigue, pitting, reduced ductility and various other debilitating effects. StimMax™ Corrosion Inhibitor Mono-1 brings an innovative blend of liquid and fog based corrosion prevention technology to provide superior anti-corrosion protection in oil and gas industry pipes, bores and pipelines. The unique blend of overlapping charged particles has the ability to "heal" existing pitting and scaling by filling in and sealing these erosions. Readily biodegradable and made with domestically sourced renewable bio-based materials, StimMax™ Corrosion Inhibitor Mono-1 is a safe and economical solution specifically formulated to provide superior protection from the corrosion of carbon steel. There are two layers of protection in this unique product – the initial liquid phase coats and penetrates the steel to shield it from corrosion followed by a fog system that creates a secondary invisible layer to add even more durable protection. StimMax Corrosion Inhibitor Mono-1 is safe for the environment as well as the oil field operators and is a clean way to address this issue without the use of deadly sulfides and Sulphur or dangerous acids that may also contaminate the oils or gas.

### APPLICATION

The choice of the inhibitor is evaluated using a modified standard LPR (Linear Polarization Resistance) corrosion test, followed by an analysis of the corrosion inhibitor residuals in the various phases using an LC-MS (Liquid Chromatography-Mass Spectroscopy) analytical method. Product prevents and protects piping in pipelines, drilling and completion applications.

### DIRECTIONS For USE

The amount of product necessary will vary depending on the amount of oxygen, water and solids present which will intern determine which phase of StimMax Corrosion Inhibitor is necessary (Mono, Bi or Tri). The batch treatments are operated by pushing the fluid across the face of the production tubulars top-down. The initial film then persists on the metal until the fogging system takes over, providing even longer term protection.

PHYSICAL PROPERTIES	
Appearance:	Light Yellow Liquid
Viscosity:	Slight
Odor:	Faint Soapy Odor
Physical State:	Liquid
Solubility in Water:	Complete
pH:	7.0
Specific Gravity @ 25° C:	0.791
Vapor Density:	1.035 lbs. /Gallon
Stability:	Stable
Availability:	5 Gallon Pail, 55 Gallon Drum and 330 Gallon Tote

