



MetalShield™ (Corrosion Inhibitor)

Background

MetalShield™ is part of the PetroLuxus™ Family product line derived from the PetroLuxus™ Technology Platform originally developed by Planet Resource Recovery, Inc. The PetroLuxus™ Family of products are inorganic, Environmentally-friendly compounds designed specifically for the Oil & Gas Industry. MetalShield™ involves the science of Sodium Silicates, but unlike common sodium silicates, PetroLuxus™ chemistries are Monomeric Neo-silicates, the “bully” or the most reactive of silicate species.

Description:

MetalShield™ is a multi-modal liquid compound formulated to be applied to any metal surface with the object of retarding or eliminating the formation of corrosion. These combined attributes result in increased performance of operational equipment with less down time and lowered discounts for excessive salt contents. The unique multi-modal characteristics of MetalShield™ interacts with the attached metal atoms on the metal surfaces and molecularly bonds which causes the metal surface to be resist to corrosion. This results in an increased life span of metals thereby increasing the equipment’s survival time. Additionally, equipment metal surfaces and formation surfaces contacted by MetalShield™ products are coated with a polymeric barrier thereby protecting metal surfaces that reduces corrosion and increases the conductivity of mineral surfaces.

Applications:

- All Metal Surfaces
- Pump Jacks
- Drilling Rigs Onshore
- Drilling Rigs Offshore

Benefits:

- Bonds to Metal
- Easy to Apply
- Reduced Downtime
- Reduced Maintenance Costs
- Reduced Corrosion & Scaling
- H₂S Reduction
- Corrosion Inhibitor
- Reduced MIC (Microbially Influenced Corrosion)

Typical Concentration

Carrier: Water

Typical concentrations of MetalShield™ are between 2%-5% of total fluid volume injected.

Environmental Statement

MetalShield™ products are inorganic compounds and thus contains no organic compounds, toxic metals, or their salts. The environmental fate of MetalShield™ are silica, the same material as found in beach sand. The chemistries of PetroLuxus™ pose no threat of persistence in the environment, no bio-concentration, nor toxicity when used at the recommended concentrations.

Distributed by:

Ascension Technologies, Inc.

9119 S. Gessner Road, Suite 200

Houston, Texas 77074

281-271-8531

www.ascensiontechinc.com

info@ascensiontechnologies.biz

