

JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

SPEC HIB 310ES

Environmentally Safe Corrosion Inhibitor

General Description

SPEC HIB 310ES is a combination surfactant, cationic, filming polyamine corrosion inhibitor and oxygen scavenger and bioantifoulant combined in a single product for use in fresh waters and brines. **SPEC HIB 310ES** contains surface-active components that allow it to penetrate wet solids and form a protective barrier at the metal surface. **SPEC HIB 310ES** will control corrosion from salt water due to CO₂, inorganic salts, dissolved oxygen and H₂S contamination from sour fluids or bacterial action. **SPEC HIB 310ES** forms a clear solution with all natural and synthetic oil field brines. The calculated LC50 is 172,891 ppm with a 95% confidence interval of 123,414 ppm and 237,006 ppm.

Application

SPEC HIB 310ES is recommended for use in salt water packer, pipeline fluids, salt water drilling fluids and other waters that will come in contact with the hydrocarbon producing fluids. A typical dosage is 1 to 1.5% by volume, or 55 gallons per 100 to 130 barrels of fluid. **SPEC HIB 310ES** is recommended as a hydrostatic corrosion inhibitor at treatment rates of 500 to 2000 ppm. When used with fresh water, treatment may be lowered to 90 - 100 ppm.

Physical Properties

Specific Gravity	1.03 - 1.05
pH	8.5 - 9.5
Density	8.60 - 8.80 lbs./gal
Flash Point	> 212°F
Pour Point	~ 12°F

Availability

SPEC HIB 310ES is available in 5 gallon pails, and 55 gallon drums and bulk quantities.

Handling

Observe warning label on product container. Normal precautions for industrial chemicals apply.