

## NuFlo™ CSI

*Corrosion & Scale Inhibitor*

### Background

NuFlo™ CSI (Corrosion & Scale Inhibitor) prevents the precipitation of inorganic salts from supersaturated water, which is co-produced with most hydrocarbons during oilfield operations. Typical Scales are calcium carbonate and barium sulfate, but a broader range of inorganic salts also can be observed.

### Characteristics

NuFlo™ CSI effectively controls corrosion in process pipelines and equipment. It can be used to treat water cut well flow lines, process equipment and oil pipelines.

### Benefits

- Combines two NuFlo™ products into one.
- Has a very low toxicity and is biodegradable
- Protects steel from corrosion
- Prevents Scale formation
- Non-hazardous product for use and transportation

NuFlo™ CSI is particularly suitable for pipelines application where it will partition predominantly into the water phase ensuring effective treatment of water setting out at low spots. This product also completely mixes into the water phase where corrosion and scale prevention are most prevalent.

NuFlo™ CSI is used in batch treatments of wells, pipelines and tanks. Treatment volume is influenced by the depth of the well, flow of the pipeline, and the amount of sludge deposits. It can also be used as part of a continuous injection program to continually disperse and thus inhibit scale formation.

### Properties

Appearance	Pale yellow
Odor	Mild
Bulk Density, lbs/gal	8.8
Specific Gravity	1.05 @ 25°C
Flash Point	None
Freeze Point	-1 °C (30 °F)
Corrosive	No
Solubility in Oil	Miscible
Solubility in Water	Complete
Active	100%
Appearance	Pale yellow

*See MSDS for additional information*

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