



Technical Datasheet

CORROSION INHIBITOR**Description**

Corrosion Inhibitor is a high-quality grade inhibitor for water-based muds and workover brines against corrosion of downhole tools and surface equipment in oil-field by mechanism of protective film creation on metal surfaces.

Application

Main function of Corrosion Inhibitor is decreasing the corrosion rate of drilling fluids and brines, and minimize the possibility of drill pipe wear-out. It is also effective in controlling bacteria-based corrosion. Corrosion Inhibitor is compatible with different types of drilling fluids and oil-field brines such as monovalent and divalent ions.

Advantages

- Compatible with different types of drilling fluids and oil-field brines (monovalent and divalent ions)
- Effective in different salinities
- Minimum effect on filtration and rheological properties of fluids
- Environmentally friendly additive
- Compatible with cationic, non-ionic and anionic materials

Limitations

- Not recommended to be used for H₂S and acidic-associated corrosion

Treatment

Dependent to the environment of fluids, treatments may differ from 0.02 to 1 gal/bbl. Real pilot tests before adding Corrosion Inhibitor is recommended. In completion or workover fluids, it is recommended, to use H₂S Scavengers and Oxygen-scavengers alongside with Corrosion Inhibitor.

Typical Properties

APPEARANCE	Yellow to Brown Liquid
SPECIFIC GRAVITY (20 Celsius degrees)	1-1.05
pH	>7
Flash point	>-100 Celsius degrees
Pour point	<-10 Celsius degrees

Packaging

Corrosion Inhibitor is available in 55-Gals Drums.