

## Corrosion Inhibitor Oil Soluble

Corrosion inhibitor is an oil soluble, slightly water dispersible, film forming organic amine. It effectively protects the drillstring by forming a tough, persistent film on metal surfaces. It is compatible with all types of water base muds, both weighted and un-weighted. It is most applicable when severely corrosive conditions are anticipated, such as when utilizing air drilling techniques, or in the presence of carbon dioxide or hydrogen sulfide gases.

## Typical Physical Properties

Physical Appearance	Dark Brown Liquid
Specific Gravity	0.888 - 0.9
pH (5% solution)	8.4 - 8.6
Solubility in Water	Insoluble
Flash Point	172°F (78°C) (PMCC)

## Applications

Corrosion Inhibitor (Oil Soluble) protects steel equipment by adsorbing onto surfaces, forming a filming barrier to corrosive conditions. The recommended application is to use periodic "slug" or "batch" treatments pumped down the drill pipe. The recommended treatment is 5 to 15 gal (19 to 56.7 L) slugs of Corrosion Inhibitor (Oil Soluble) while making up connections or every 4 hr, and prior to pumping the slug on trips. This slug volume should be selected to be about 1.5 to 2 gal (5.6 to 7.5 L) of Corrosion Inhibitor (Oil Soluble) for each 1,000 ft (305 m) of drillstring. When tripping out of hole, Corrosion Inhibitor (Oil Soluble) can be sprayed, painted or mopped on the outside of the pipe.

## Advantages

Reduces the potential for corrosion in air, mist, foam or aerated mud drilling, and in all waterbase muds.

Coats and protects the drillstring with a persistent amine film which can protect against carbon dioxide or hydrogen sulfide corrosion.

Temperature stable and functional to temperatures of more than 300°F (149°C).

## Limitations

Should not be used in packer fluids or other situations where the fluid will not be circulated.

## Toxicity & Handling

Bioassay information is available upon request. Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

## Toxicity & Handling

CORROSION INHIBITOR (OIL SOLUBLE) is packaged in 55 Gal (208 L) drums. Store in a dry, well ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink wrapping and/or stacking.

Quick contact for: Corrosion Inhibitor Oil Soluble, oil soluble corrosion inhibitor, corrosion inhibitor oil, oil corrosion inhibitor, fuel corrosion inhibitor, oilfield corrosion inhibitors, corrosion inhibitor oil and gas.