

Corrosion Inhibitor Amine Based

Corrosion inhibitor is a modified, amine type additive designed to protect all oilfield tubular goods. Inhibitor helps prevent general corrosion attack on casing, tubing and downhole tools in contact with clear completion brines.

Characteristics & Property

Physical Appearance	Dark Brown Liquid
Specific Gravity	1.10
Flash Point	305°F (151.6°C) (PMCC)
Pour Point	<11°F (-12°C)
Viscosity at 77°F (25°C)	4 cP

Applications

CORROSION INHIBITOR additive controls corrosion of tubing and casing strings when used in workover or packer brines, including sodium chloride, calcium chloride, sodium bromide, calcium bromide and zinc bromide. CORROSION INHIBITOR corrosion inhibitor is designed for use in clear brines but can be used in viscosified completion or drilling fluid. Pilot testing for compatibility is recommended for this application. For treatment of clear brine fluids, one 55 Gal (208 L) drum of CORROSION INHIBITOR corrosion inhibitor should be added to 100 barrels (15.9 m³) of brine. This is equal to 0.55 gal/bbl (13.1 L/m³) or 5 lb/bbl (14.3 kg/m³). CORROSION INHIBITOR corrosion inhibitor can be added directly to the brine without special mixing equipment or agitation.

Advantages

Protects metal surfaces in both the shallow, upper part of the well and in the deeper, hotter areas. At the recommended concentration, Corrosion Inhibitor corrosion inhibitor provides protection at bottomhole temperatures up to 350°F (177°C).

Protects both tubular goods and completion tools exposed to workover or clear completion brines.

Compatible with sodium chloride, potassium chloride, calcium chloride, sodium bromide, calcium bromide and moderate density zinc bromide brine fluids.

Limitations

When applied to zinc bromide fluids, recommendations should be obtained from the UNIVERSAL Completion Fluids Technology Group. Designed for application in clear brine fluids. If used in a viscosified completion or drilling fluid, pilot testing for compatibility is recommended.

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).

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