

## CORROSION INIBITOR

### GENERAL INFORMATION

COR HIB 54A is a strong film corrosion inhibitor for the protection tubing in aqueous drilling fluids and packer fluids. COR HIB 54A is oil soluble and dispersible in water. Protection is afforded against a wide spectrum of contaminants including dissolved salts, organic acids, hydrogen sulphurs, carbon dioxide and oxygen. The protection is afforded up to temperature of 230°C.(446°F).

COR HIB 54A does not contain any amines or esters and thus has very low toxicological properties (10,000-20,000 mg/kg LD50 value for male rats).

COR HIB 54A is completely biodegradable leaving no long-term residues.

### TYPICAL PROPERTIES

Appearance	Brown oily liquid.
Odour	Characteristic
SG @ 25°C	0.90
Viscosity @ 25°C	13 Cps
Flash Point (PMCC)	205°C
Solubility	Soluble in oil, dispersible in water
Pour Point	Below 0°C

### PRODUCT APPLICATION

COR HIB 54A is provides corrosion protection of all types of drill pipe and casing when formulated in water based fluids such as drilling muds and packer fluids, and also for corrosion protection in sour gas transmission lines.

### PRODUCT TREATMENT

COR HIB 54A used in drilling fluids where circulation is taking place: a continuous dose at the 50-1000ppm level will ensure that the protective film is maintained.

COR HIB 54A in packer fluids should be dosed at 500-1000 ppm level. The higher doses will be required for fluids with higher levels of clay solids. Since the product is biodegradable, the system should be sterilised with appropriate additions of a biocide.

### PACKAGING

COR HIB 54A is packaged in 55 US gallon drums.