



Technical Data Sheet

ZC-1500

Product Description

ZC-1500 Zinc Chelate is complex dispersion of zinc in a liquid form.

Applications:

ZC-1500 Zinc Chelate is a liquid water soluble chelated zinc designed to scavenge H₂S in most brine and fresh water drilling fluid systems.

ZC-1500/Zinc Chelate is also miscible in oil base drilling fluid systems where it is effective in scavenging H₂S as well. It also provides some degree of protection against corrosion resulting from oxygen.

ZC-1500/Zinc Chelate can be injected directly into the mud pump suction line with a chemical pump. ZC-1500/Zinc Chelate will not precipitate in high PH systems .

Treatments:

ZC-1500 Zinc Chelate should be added to drilling fluids prior to drilling a formation suspected of containing hydrogen sulfide.

One 55 gallon drum per thousand barrels of drilling fluid is recommended initially to scavenge up to 50-80 ppm sulfide.

Moderate intrusions can be controlled by daily continuous treatment of 8 to 12 gallons per day. Always inject at the mud pump suction.

Treatment of higher volume H₂S intrusions requires correspondingly larger quantities of ZC-1500/Zinc Chelate.

KEY BENEFITS

- Effective in the treatment of H₂S
- Faster in its application due to its liquid form of Zinc
- Provides some degree of corrosion protection from H₂S resulting from oxygen

Key Properties

Color	Dark Brown
Physical Form	Liquid
pH	3.0 - 4.0
Solubility	Soluble