Cola® Drill 510

Long-Chain Fatty Acid Based, Water-Soluble, Brine Lubricants for Drilling Fluids

DESCRIPTION Natural, Long-Chain Fatty Acid Based Phospholipid Mimetics

LISTINGS US (TSCA), Canada (DSL), Australia (AIIC), China (IECSC), Korea (KECL), Philippines (PICCS), New Zealand (NZIoC), Taiwan (TCSI)

Cola®Drill 510 is a natural fatty acid-based phospholipid mimetic. It is a water-soluble brine lubricant for aqueous based drilling fluids. It is designed to improve the lubricity at very low dosage and reduce the coefficient of friction in seawater, sodium chloride, sodium bromide, calcium chloride and calcium bromide completion fluids while delivering the better foam performance than the chemistry in its class.

BENEFITS

- Friction reduction at low dosages
- Outstanding lubricity for water-based drilling muds
- Low foaming
- Biodegradable

APPLICATIONS

- Drilling lubricants for water-based drilling muds (WBDM)
- Emulsifiers for vegetable oil based semi-synthetic Metalworking fluids and other industrial lubricants
- Other industrial and non-industrial applications

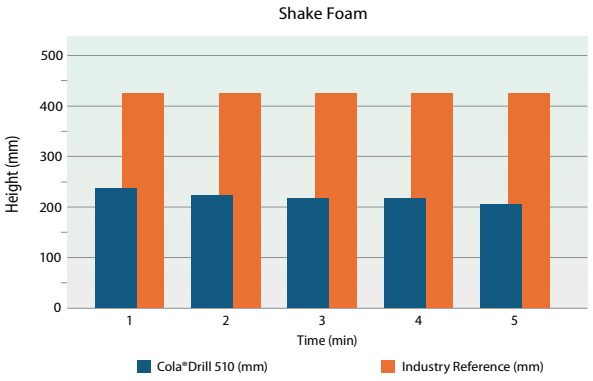
TYPICAL PROPERTIES

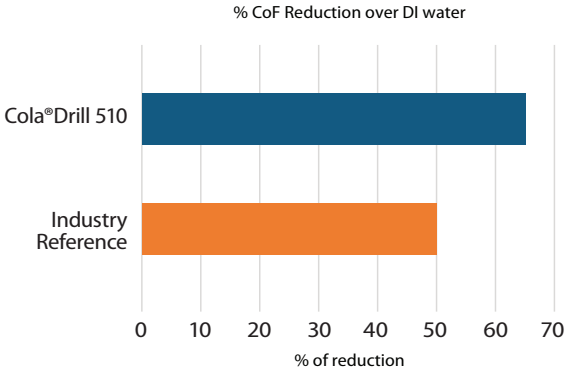
Appearance @ 25°C	Clear Liquid
% Solids	46.5
pH (10% Aqueous)	7.0
% NaCl	6.5
Color, Gardner '98	8 Max.
Color, Gardner BYK	Report

BENCH PERFORMANCE EVALUATION

Cola®Drill 510 shows lower foaming tendency and enables better friction reduction than the incumbent competing technology.

Tested at 0.5 wt% actives in DI water.





STORAGE AND HANDLING

Cola®Drill 510 should be stored in closed containers. Shelf life is 24 months from date of manufacture. Cola®Drill 510 is shipped in 55-gallon drums, net weight 480 lbs (217.7 kg) and in totes, net weight 2250 lbs (1025.5 kg). Complete Safety Data Sheet may be downloaded at ***www.colonialchem.com***.

Colonial Chemical

Innovative Specialty Surfactants

www.colonialchem.com