



Patent Pending

Cola® Drill 300

Water-soluble Brine Lubricant

LISTINGS US (TSCA), Canada (NDSL), Korea (KECI), China (IECSC/IECIC), Taiwan (TCSI)

Cola® Drill 300 lubricant reduces friction in seawater, sodium chloride, sodium bromide, calcium chloride and calcium bromide completion fluids. The chemistry offers exceptional reduction in metal-to-metal friction when added to brine-base completion or drilling fluids at extremely low concentrations.

Cola® Drill 300 lubricant reduces torque and drag up to 90% at extremely low concentrations in field applications.

BENEFITS

- Designed to reduce the coefficient of friction in seawater, sodium chloride, sodium bromide, calcium chloride, and calcium bromide drilling or completion fluids
- Highly efficient in reducing torque and drag in drilling in extreme pH and high temperatures
- Broad antimicrobial spectrum
- Plant derived starting raw materials
- Mild to eye and skin contact, safer than many existing lubricants for operation personnel
- Prop 65 free and safer for the environment

SPECIFICATION

Appearance @ 25°C	Clear to Slightly Hazy Liquid	
% Solids	35.5 – 37.5	
pH (10% aq.)	5.0 – 7.0	
Color, Gardner '98	3 Max.	
Ross-Miles Foam Height	Immediate	175
(1% active solution, 25° C, DI water), mm	1 Minute	160
	5 Minutes	150
Draves Wettings (@ 1.0 active)	18.5 sec.	
Caustic Solubility (5% product added to NaOH)	40% NaOH	

MICROBIAL TESTING

Organism	Result
Staphylococcus aureus (ATCC 6537)	146 ppm
Pseudomonas aeruginosa (ATCC 9027)	2562 ppm
Escherichia coli (ATCC 8739)	1098 ppm
Burkholderia cepacia (ATCC 25416)	3660 ppm
Salmonella enterica (ATCC 10428)	1464 ppm
Candida albicans (ATCC 10231)	<36 ppm
Aspergillus brasiliensis (ATCC 16404)	<36 ppm

STORAGE AND HANDLING

Cola® Drill 300 should be stored in closed containers. Shelf life is 24 months from date of manufacture. Cola® Drill 300 is shipped in 55-gallon drums, net weight 450 lbs (204.1 kg). Complete Safety Data Sheet may be downloaded at www.colonialchem.com.

Colonial Chemical

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Innovative Specialty Surfactants

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