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## CTG Lube™

### General Description:

CTG Lube™ is a high-tech Nano-Graphite based lubricant specifically developed for coil tubing applications. Nano-Graphite is a know super lubricant. CTG Lube™ is chemically designed to have a high affinity for metal surfaces. This guarantees that the lubricant will be concentrated exactly where it is needed. CTG Lube™ eliminates torque and drag, prevents differential sticking, and protects the system from corrosion.

Product	Lubricity Coefficient @ 150 inch-lbs
Beka Lube	0.088
CTG Lube	0.075

### Typical Physical Properties:

Form, @ 70°F	Liquid
Density, (lbs/Gal)	7.73
Flash Point, °F (TCC)	>200
Pour Point, °F	< 30
pH, ( 5% in 3:1 IPA / water)	5.5 - 7.5
Solubility Water and Brine	Dispersible
Solubility Xylene and Mineral Oil	Dispersible

### Compatibility:

Compatible with known drilling and coiled tubing fluids and additives. A compatibility test is always recommended.

### Environment:

Not hazardous to the environment.

### Typical Dosage:

The extreme efficiency of this product allows for low use levels. In drilling applications, for a typical 800-1000 bbl system, add 2 bbl slowly (one bbl per hour). Maintain the system as needed while drilling. Always add the product s-l-o-w-l-y into the suction pit as close to the suction line as possible. CTG Lube™ is an oil soluble product and will not mix readily with the drilling fluid, but it contains a surfactant package to ensure good dispersion.

Similarly for Coiled Tubing, typically used at 0.3% to 2% on a continuous basis or spotted as required in stuck-pipe situations.

### Temperature Limitations:

Can be used across a wide temperature range, no lower or upper temperature limitations on performance. Has been effectively used up to BHT of 400 F. Stable up to 450 F.

### Packaging:

330 ga one way totes, 275 ga one way totes, 55 ga drums and bulk tank trucks

### Availability:

All Finoric locations

### DoT Classification:

Not Regulated