

TWO COMPONENTS FOR A TWO-WAY SOLUTION FOR COIL TUBING OR DRILLING APPLICATIONS!

LIQUI-BEADS® provides the combination of a liquid lubricant and the premium performance of Sun's own LUBRA-GLIDE® copolymer beads in a single product application. This combination gives you the tools to solve torque, drag, and friction issues immediately in a single application package.

Advantages

- ◆ Reduces torque and drag associated with coil tubing drilling, logging, workover, or completion applications
- ◆ Suspended fine LUBRA-GLIDE® copolymer beads offer excellent mechanical lubrication. Fine grade beads average 247 microns or 65 mesh
- ◆ The premium liquid lubricant component has a high affinity for metal and bonds with these surfaces, reducing the coefficient of friction between the work string and well bore
- ◆ Non-aromatic components will not harm mud motors, MWD, or LWD tools
- ◆ LC₅₀ >750,000 at 2% concentration
- ◆ Bio-degradability index ~60% (28 days)

Packaging

- ◆ 5-gallon (18.9 L) square pails
Excellent for Coil Tubing location work!
- ◆ 55-gallon drums (208 L)
- ◆ 275-gallon (1049 L)

Physical Properties

- ◆ Form: Liquid with suspended Fine grade LUBRA-GLIDE® copolymer beads
- ◆ Color: Light Brown
- ◆ Density: 7.3 ppg
- ◆ Thermally stable: 400°F
204°C
- ◆ Pour Point: < -20°F
< -29°C
- ◆ Boiling Point: > 450°F
> 232°C
- ◆ Freezing Point: < -20°F
< -28°C

Application

LIQUI-BEADS® can be mixed directly into most mud systems via injection pump, pill form, or gravity feeding, directly over the mud pump suction.

Total system treatment:

- ◆ Mix slowly through metered additions while circulating.
- ◆ Mix up to 1% LIQUI-BEADS® evenly throughout the circulating volume to reduce torque and drag.
- ◆ Pills and Sweeps:
Spot pills, approximately 2% Liqui-Beads™ with sufficient volume to cover the BHA or problem area and/or build sections. After spotting a pill stop circulation, rotate and reciprocate the string for up to 10 minutes, allowing the product to saturate the zone before continuing operations.