



Coiled Tubing Chemicals

**OF-2331**

Quantum Slide

## Cutting Edge Metal-to-Metal Lubricity Enhancement Technology for Coiled Tubing and Drilling Operations

**Quantum Slide** is a cationic surfactant blend formulated to Quantum Slide is an oil-soluble, water dispersible lubricant with an extremely high attraction to metal surfaces. Quantum Slide is designed to initially adhere to metal instead of other surfaces such as drill solids. This metal affinity allows coil tubing and drill pipe to coat much quicker than conventional lubricants, allowing for a more effective and efficient lubricating process.

Quantum Slide was designed to reduce the coefficient of friction that exists between the coil tubing and the casing or the drilling assembly and the wellbore and casing. This product reduces weight stacking in highly deviated wellbores, allowing the transfer of more weight to the bit. This decreases torque and drag and minimizes problems tripping in and out of the hole in drilling, work-over and coiled tubing operations. Quantum Slide provides enhanced thermal stability compared to previous generations of pipe lubricants up to 400°F.

### Available Packaging

- 5-gallon pails
- 55-gallon drums
- 265-gallon disposable tote tanks

### Lubricity Coefficients

- Water: .358
- Quantum Slide: .117 (67.3% improvement vs. water)
- Competitor X: .128 (64.2% improvement vs. water)

### Mixing Recommendations

- It is generally best to mix the product through slow-metered addition into the mud system, preferably in anticipation of the need to slide.
- Spotting a pill and working it into the affected area or sweeping the product is an extremely effective application method.
- Typical recommended dosage is 1 gallon to 10 barrels.

