

# DireCT™

## Pipe-on-pipe Friction Reducer



### Description

DireCT™ pipe-on-pipe friction reducer is an extremely effective lubricant blend in Newpark's proprietary ResurreCT™ coiled tubing system.

### Benefits

DireCT adheres strongly to metal surfaces. When used in combination with AttraCT™ surfactant, DireCT minimizes friction resulting from metal-on-metal tubular contact. As a result, longer lateral sections are completed during coiled tubing operations.

DireCT has been evaluated for wear and steady state coefficient of friction (CoF). The lower CoF properties provided by the lubricant blend enhance the coiled tubing operations. Operational and engineering gains provide significant added value to the customer.

### Application

DireCT pipe-on-pipe friction reducer is especially effective in horizontal applications where it lubricates coiled tubing and casing, thereby allowing increased weight to the bit. It maintains effective in- and out-pressures while tripping during horizontal coiled tubing or wireline applications. The lubricant blend is thermally stable at temperatures greater than 400°F (204°C). DireCT is most effective in fluid systems in which overall solids content is kept at optimum levels.

### Treatment Recommendation

Typical treatment levels of DireCT pipe-on-pipe friction reducer range from 3.0-18.0 lb/bbl.

### Typical Physical Properties

Appearance.....	Yellow to dark amber liquid
Flash Point .....	>225°F (107°C)
pH (2% solution).....	5.5
Specific Gravity.....	0.88

### Handling and Storage

Use appropriate hygiene, clothing, and personal protective equipment suitable for work being done. Read the SDS thoroughly before using this product.

### Packaging

DireCT pipe-on-pipe friction reducer is available in 5-gallon (19-liter) pails and 275-gallon (1,041-liter) totes.