



## TECH DATA SHEET

### PRODUCT DESCRIPTION:

**DET FORCE** is a water-soluble surfactant designed to reduce the surface tension of all water-base mud systems and reduce the sticking tendency of water-sensitive clays.

It is used in all drilling areas and can be effective in virtually any water-base drilling fluid. It is used primarily in HDD crossings to minimize bit balling, reduce surface tension, and aid in dropping sand and removing drill solids.

**DET FORCE** reduces torque and drag, even when no oil is present in the system.

### APPLICATIONS AND USE:

Normal treatments range from 1 gal. per 1000 gallons of mud will provide satisfactory performance under most conditions. *Higher concentrations can cause thinning of the mud system and reduce the ability of bentonite to yield. Care should be used to not over treat.*

### PRODUCT ADVANTAGES:

- Reduces surface tension, helping to drop sand and remove solids
- Minimizes bit and BHA balling
- Reduces sticking of reactive shale cuttings
- Environmentally friendly

### PHYSICAL PROPERTIES:

Appearance:	Pink liquid
Specific Gravity:	0.95 – 1.0
Viscosity, cps:	100 - 400

### PACKAGING:

**DET FORCE** is packaged in the following:

- 5-gallon buckets, 32 buckets to a pallet



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