



TECH DATA SHEET

PRODUCT DESCRIPTION: **DET CON 1** 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 CON 1 reduces torque and drag, even when no oil is present in the system. Normal treatments range from 0.1 to 0.2 lb/bbl and provide satisfactory performance under most conditions. In severe situations, 4-6 lb/bbl concentrations of **DET CON 1** are recommended to minimize bit balling; *higher concentrations can cause foaming and may require a defoamer.*

APPLICATIONS AND USE: Normal treatments range from 0.5 – 2.5 gal per 500 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, SG:	0.95 – 1.0
Viscosity, cps:	100 - 400

PACKAGING: **DET CON 1** is packaged in the following:

- 5-gallon buckets
- 1/2 gallon jugs