



Technical Data Sheet

HYPERDRILL NE 823

Product Description

HYPERDRILL NE 823 is a high molecular weight, nonionic polyacrylamide supplied as a low viscosity emulsion for use in water based drilling fluids. By design, it mixes and yields rapidly.

Applications: **HYPERDRILL NE 823** is primarily recommended for use as a selective flocculant in clear water and low solids drilling. It is very effective in removing low yield solids from drilling fluids. **HYPERDRILL NE 823** will have little, if any, effect on high yield bentonite clays. For maximum performance, it is recommended that calcium levels be maintained below 200 ppm.

Treatments:

CLEAR WATER DRILLING A 0.5% solution of **HYPERDRILL NE 823** should be prepared prior to its addition to the system. This equates to approximately 2 quarts of **HYPERDRILL NE 823** in 50 gallons of water. At normal drilling rates, 50 gallons should be sufficient to last approximately 3 - 4 hours. For this application, the polymer solution should be added continuously at the flow line while circulating the reserve pit. It is very important that the polymer solution is added at a point of turbulence to insure proper mixing of the flocculant with the drilled solids.

LOW SOLIDS DRILLING **HYPERDRILL NE 823** is very effective in removing low yield solids from drilling fluids, thereby lowering the mud weight. This allows for better rheology control and increased penetration rates with less bit wear. For this application, the 0.5% polymer solution is best added ahead of the shale shaker. Again, it is important to add the polymer solution at a point of turbulence. The solution can be added continuously or inter-

KEY BENEFITS

- Exhibits a low order of toxicity.
- Improved ROP.
- Improved solids removal from active system.

Key Properties

Appearance	Opaque Liquid
Ionic Character	Non-Ionic
pH	6.0 - 8.0
Sg	1.02 - 1.06
Shelf Life	6 months