



HYPERDRILL AE 851

DESCRIPTION

AE 851 is a 35% hydrolyzed polyacrylamide in liquid form.

PROPERTIES

| Physical | | Chemical | |
|-------------------|------------------|-----------------|----------------------------|
| Appearance: | Off white liquid | Type: | Synthetic polymer emulsion |
| Specific Gravity: | 1.08-1.12 | Solubility: | Dispersible-Soluble |
| Pour Point: | -30°C | pH: | 6.5-7.5 (1.0% solution) |
| Flash Point: | 100°C | Microtox: | N/A |
| | | Character: | HMW Anionic |

APPLICATION

Hyperdrill AE 851 can be used as a viscosifier, foam stabilizer, and as a flocculant to promote water clarification when clear water drilling or it may also be used in conjunction with K⁺ to stabilize shale.

As a flocculant Hyperdrill AE 851 is normally used in concentrations of 1.0L/30m (3 singles) of hole drilled. (Holes larger than 222mm will require higher concentrations).

As a shale inhibitor the filtrate concentration of Hyperdrill AE 851 ranges from 0.5kg/m³ for slightly hydratable shales to 1.5kg/m³ for moderately hydratable shales. Gumbo shales may require concentrations as high as 3.0kg/m³

MIXING AND HANDLING

As a flocculant AE 851 can be added directly to the flow line, or it may be dispersed in water in the chemical barrel prior to adding at the flow line.

AE 851 becomes very slippery when it comes in contact with water. A spill should be cleaned up with an absorbent material.

WHMIS: Controlled (see MSDS)

TDG: Not Regulated

PACKAGING: 18.9 liter pail