

# HYPERDRILL AF 247RD

## IMPROVED SHALE STABILIZATION

Hyperdrill AF 247RD has been developed to provide improved shale stabilization/inhibition in drilling fluids with minimal effect on rheology. It is suitable for use in fresh water, seawater, K+ polymer, and other inhibitive water-based systems.

Its improved rheological properties allow for the addition of higher concentrations with reduced viscosity humping in solids laden muds. Dosage rates are 2.0-6.0 kg/m<sup>3</sup>.

## HMW ANIONIC POLYMER FLOCCULANT

Hyperdrill AF 247RD is also an effective anionic polymer flocculant used for clear water drilling. It should be added through a chemical barrel at the flow line or injected directly into a centrifuge from a premixed polymer tank, usually in a 0.5% stock solution.

It can also be used for fluid clarification when added at the centrifuge in sumless drilling operations.

## FEATURES & BENEFITS

- Minimized viscosity increases.
- Added lubricity and lower fluid loss.
- Improved filter cake quality.
- Readily dispersible with no formation of fish eyes.
- The solid grade form is more cost effective than liquids.
- Environmentally friendly.

## PHYSICAL PROPERTIES:

Appearance: White granular powder  
Bulk Density: 0.7 kg/m<sup>3</sup>

## CHEMICAL PROPERTIES:

Type: Co-polymer  
Solubility: Dispersible-Soluble  
pH: 6.0-8.0 (0.5% solution)  
Microtox: ↑91% @ 3.0 kg/m<sup>3</sup>

## MIXING & HANDLING

Because of its excellent dispersibility and mixing, **Hyperdrill AF 247RD** can be added directly to the mud system without pre-wetting in a solvent.

A small hole should be cut into the bottom of the bag, allowing it to flow at a steady rate into the mud hopper. If necessary **Hyperdrill AF 247RD** may be pre-hydrated at concentrations of 10.0-15.0 kg/m<sup>3</sup> in a separate tank and fed into the main circulating system to maintain concentrations of 2.0-6.0 kg/m<sup>3</sup>.

**Hyperdrill AF 247RD** becomes very slippery when it comes in contact with water. A spill should be cleaned up with an absorbent material. It is advisable to use a dust mask and eye protection while mixing all powdered products.

**WHMIS:** Controlled (see SDS)

**TDG:** Not regulated

**Packaging:** 25kg sack

