



HYPERDRILL AF 247 RD

DESCRIPTION

AF 247 RD is a readily dispersible, acrylamide-based co-polymer.

PROPERTIES

Physical		Chemical	
Appearance:	White granular powder	Type:	Co-polymer
Bulk density:	0.7 kg/m ³	Solubility:	Dispersible-Soluble
Moisture Content:	Not available	pH:	6.0-8.0 (0.5% solution)
Flash Point:	Not available	Microtox:	>91% @. (3.0 kg/m ³)
		Character:	LMW Anionic

APPLICATION

AF 247 RD 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 addition of higher concentrations with reduced viscosity humping in solids laden muds. Dosage rates are 2.0-6.0 kg/m³.

AF 247 RD exhibits improved dispersibility over conventional PHPAs while providing the following benefits:

1. Shale stabilization/inhibition, minimized viscosity increases, added lubricity, lower fluid loss, improved filter cake quality, and is readily dispersible with no formation of fish eyes.
2. The solid grade form is more cost effective than liquids and is environmentally friendly.

MIXING AND HANDLING

Because of its excellent dispersibility and mixing AF 247 RD 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 AF 247 RD may be pre-hydrated at concentrations of 10.0-15.0 kg/m³ in a separate tank and fed into the main circulating system to maintain concentrations of 2.0-6.0 kg/m³. AF 247 RD 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: Not controlled	TDG: Not regulated	PACKAGING: 25 kg sack
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