



Product Information

Hyperdrill AF 247RD

GENERAL DESCRIPTION

Hyperdrill AF 247RD is a low molecular weight, anionic, polyacrylamide supplied as a dry, granular powder. When added to water-based drilling fluids, this specially processed polymer disperses rapidly allowing hydration to occur without the formation of lumps-fish eyes.

FEATURES AND BENEFITS

Hyperdrill AF 247RD is a very versatile polymer which can be used for oil, gas, water well and mineral drilling. It can be added to fresh, KCL or seawater based drilling fluid systems.

Shale inhibitor - Hyperdrill AF 247RD can be used alone or in conjunction with KCL to stabilize active shales by decreasing the shale's tendency to absorb water, swell and slough-off. As an additional benefit, fluid loss is often reduced when using this product. Normal dosage rates are between 3.0–9.0kg/m³ as supplied.

Friction Reducer - The addition of Hyperdrill AF 247RD into a drilling fluid will help reduce turbulent flow, friction and power losses at points of high shear. Lowering turbulent flow also helps reduce erosion and washouts of fragile geologic structures.

TYPICAL PHYSICAL PROPERTIES

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|----------------------|-----------------------|
| Appearance | White granular powder |
| Ionic Character | Anionic |
| Bulk Density | 0.7g/cc |
| pH 0.5% Soln. @ 25°C | 6.0-8.0 |

HANDLING

Hyperdrill AF 247RD should be stored inside under cool dry conditions. When stored under these conditions, the product has a shelf life of at least one year.

Hyperdrill AF 247RD exhibits a low order of toxicity. However, precautions should be taken to avoid inhalation, ingestion or contact with skin or eyes. Polymer spills are extremely slippery and therefore hazardous. For additional information, see the relevant MSDS.

AVAILABILITY

Hyperdrill AF 247RD is available in 25kg sacks from HiTech Fluid Systems Ltd.