

## RAPID SHALE-FIX RD™

POLYMERIC SHALE CONTROL GRANULAR POWDER

### Description:

Rapid Shale-Fix RD™ is a low to medium molecular weight, medium charge, polyacrylamide (PHPA) supplied as a dry granular powder. The product is a versatile polymer that can be used in water based (KCl or Seawater) drilling muds. It is formulated to mix easily in drilling muds and yield results quickly. The low molecular weight of the Rapid Shale-Fix RD™ provides excellent shale inhibition by encapsulating reactive shale particles without significantly increasing the drilling fluid's viscosity. The Rapid Shale-Fix RD™ is shear thinning and assures maximum power at the bit under high shear while retaining excellent carrying capacity under low shear conditions.

### ADVANTAGES:

- ⇒ Highly effective shale inhibitor
- ⇒ Friction reducer / lubricant
- ⇒ Reduces fluid loss
- ⇒ Easy to handle powder

### APPLICATION:

Rapid Shale-Fix RD™ is supplied as a dry granular powder. It has excellent handling characteristics, mixes easily and dissolves quickly when added to water based drilling fluids. The product 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. An additional benefit to using Rapid Shale-Fix RD™ is the reduction in fluid loss values. Normal dosage rate range from 1 ppb to 3 ppb of water based mud volume, as supplied.

The addition of Rapid Shale-Fix RD™ into a drilling fluid will help reduce turbulent flow, friction and power losses at points of high shear. Lowering turbulent flow also helps to reduce erosion and washout of sensitive geological structures.

### PHYSICAL PROPERTIES:

Appearance	White Granular Powder
Density	0.8 gr/cc (50 lbs/cu.ft.)
pH of 5% Soln. @ 25°C	6.0 to 8.0
Charge in solution	Anionic
Pour Point	5° F (-15° C)