

## **POLYCAP**

### **Product Description**

POLYCAP® shale stabilizer is a liquid high-molecular-weight PHPA copolymer used to encapsulate cuttings and performs as shale stability enhancer, viscosifier, flocculant, bit balling reducer and fluid loss control agent. POLYCAP® rapidly adsorbs on water-wet solids to form a protective and lubricating film. This absorbed layer of polymer also contributes to filtration control. It is applicable with soft dispersive shales as well as areas with hard brittle shales. POLYCAP® can be used in freshwater, seawater and monovalent brines systems. pH value of drilling fluids should be maintained in the range of 8.5-10.5 when use POLYCAP® to achieve optimum results.

### **Applications/Functions**

- Stabilize water-sensitive formations and prevent bit balling
- Increases the yield of bentonite in low solids drilling system
- Flocculant drill solids at low concentrations

### **Advantages**

- Temperature stable up to 300°F
- Excellent cuttings encapsulation to prevent cuttings dispersion
- Improves the lubricity of most mud systems, particularly non-dispersed muds
- Non-fermenting and no biocide required

### **Typical Properties**

- Appearance: Creaming Liquid
- Specific gravity: 1.05

### **Recommended Treatment**

- A typical range is 1-4 ppb

### **Package**

- 5 GAL PAIL

