Poroseal product is a unique co-polymeric filtration control and shale sealing additive.

Poroseal additive provides permeability plugging to effectively seal shales and filter cakes, improving the performance of highly inhibitive water-base drilling fluids. It is effective for low-temperature as well as high-temperature applications.

**Typical Physical Properties**
- Physical appearance: White liquid
- Specific gravity: 1.0-1.1
- Boiling point: 212°F (100°C)

**Applications**
Poroseal polymer is used to seal shales and low-permeability sand formations when drilling with inhibitive water-base fluids (WBM). Poroseal additive is also used to provide supplemental fluid loss control in high-temperature applications >400°F (>204°C).

Poroseal polymer should be added at 2 to 5% by volume in the initial formulation or as a treatment to an active system. Pilot testing prior to use is recommended to determine any effects on the system properties.

The performance of Poroseal polymer improves with salinity and can be used to improve both the wellbore stability and fluid-loss performance of highly inhibitive water-base fluids.

Poroseal polymer is compatible with conventional WBM as well as high-performance fluids, such as Ultradril*, Sildril*, Glydril* and Drilplex* systems.

**Advantages**
- Permeability plugging to aid in sealing shales and low-permeability sand formations
- Provides additional fluid loss control in high temperature environment in excess of 400°F (204°C)
- Does not require the addition of a biocide agent

**Limitations**
- Used in water-base applications only

**Toxicity and Handling**
Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

**Packaging and Storage**
Poroseal polymer is available in 55-gal (208-L) drums.

Store in a dry, well-ventilated area. Store at temperatures between 40°F (4.4°C) and 110°F (43.3°C). Bacterial growth may occur with long-term storage. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.
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