

Petrogel 100

Solutions Through Technology..... Environmentally Friendly Chemicals

Product Description

Petrogel 100 is an organically modified clay product. It is a proprietary formulated grade organoclay for diesel-based or synthetic-based drilling fluids. **Petrogel 100** is organophilic bentonite clay treated with quaternary amine compound. The product is used to increase the carrying capacity and hole cleaning ability of oil based mud systems. **Petrogel 100** is an effective gellant for oil and other non-aqueous based fluid systems. It disperses and mixes easily into the fluid. **Petrogel 100** is required in low concentrations and is stable to temperatures in excess of 350°F.

Application

Petrogel 100 is added to oil based muds to increase the yield point and gel strength properties. The product can also be used to efficiently convert an oil based mud system into a packer fluid.

Recommended Treatment

The amount of **Petrogel 100** typically required in the oil based mud system depends upon the density oil to water ratio (OWR) and total solids content of the fluid. Concentrations between 2.0 and 10.0 lb/bbl (5.7 – 28.5 kg/m³) are typical. The optimum concentration is best determined by pilot testing a sample of the fluid to be treated.

Handling

Always wear proper Personal Protective Equipment. Avoid skin contact. Wash hands thoroughly with soap and water after use. Avoid contact with eyes. If contact occurs, flush eyes immediately with water for 15 minutes while holding eyelids open.

See SDS for further details regarding the safe use of this product.

Storage

Store at ambient temperatures in an area protected from precipitation and contact with moisture.

Packaging

Petrogel 100 is packed in 50# sacks – 50 bags per pallet.

Typical Chemical and Physical Properties

Appearance	Tan, gray cream powder
Solubility.....	Insoluble in water
Boiling Point	N.A.
Melting Point	N.A.
Vapor Pressure	N.A.
Odor	None