



Product Information

Bentone 910

GENERAL DESCRIPTION

Bentone 910 rheological additive is an economical organobentonite viscosifier and suspending agent for oil-based muds, invert emulsion, muds completion fluids and workover fluids. This viscosifier employs the composition most widely used through the years in oil-based muds, in a cost-effective economy form.

Bentone 910 is suitable for drilling fluids based on diesel oil and mineral oil. It adds to the formulation the temperature stable rheology characteristic of organoclays.

FEATURES AND BENEFITS

Viscosifying drilling fluids including:

Oil-based drilling muds, Invert emulsion muds, Packer fluids, Completion fluids, Workover fluids

Based on:

Diesel Oil, Crude Oil, Mineral Oil

- Cost-effectively builds viscosity and yield point
- Suspends weighting materials and other solids
- Improves cutting carrying capacity and hole cleaning
- Increases emulsion stability
- Aids control or fluid loss to the formation
- Confers temperature stability
- Is not harmful to the environment

RECOMMENDED TREATMENT

Good agitation should be used when incorporating Bentone 910 into the drilling system. Amount of stirring needed will depend on the temperature of the oil, with the rate of organoclay gelation increasing with increasing temperature, and on the level of shear available. Circulation downhole after the initial mixing aid in achieving the full viscosity and yield. A chemical polar activator is needed to endure full development of rheological properties. When water is present in the mud, it acts as the activator, and a separate activator is not needed. However, in all-oil systems or in other fluids where no water is included, or where water is unwanted, a chemical activator such as methanol or propylene carbonate should be added. Mixing 5% water, by weight, into the activator can enhance its efficiency.

TYPICAL PHYSICAL PROPERTIES

Type	Organic Modified Bentonite Clay
Look	Light Tan finely divided powder
Specific Gravity	1.7
Moisture	4% maximum

HANDLING

Before using this product please consult our Material Safety Data Sheet (MSDS) for information on safe handling.

AVAILABILITY

Bentone 910 is available in 22.68kg bags from HiTech Fluid Systems Ltd.