

BENTONE 910

Product Description

BENTONE 910 is an 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.

Typical Application

BENTONE 910, 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.

Product Advantages

- An effective gellant for oil and other non-aqueous based fluid systems.
- Disperses and mixes easily into the fluid.
- Required in low concentrations.
- Stable to temperatures in excess of 350°F.

Recommended Treatment

The amount of BENTONE 910 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

Employees should utilize normal precautions when handling chemical products. The use of a face shield or safety goggles, gloves and apron are recommended when handling this product. In case of eye contact, flush with clean, fresh water and seek medical advice. In case of skin contact, wash the affected area with soap and water. Review the Material Safety Data Sheet (MSDS) for this product prior to use. The use of a nuisance dust mask is recommended when mixing this product.

Storage

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

Packaging

Packaged in 50 lb (22.5 kg) multi-wall paper sacks.

Typical Chemical and Physical Properties

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| Specific Gravity g/cm ³ | 1.5 - 1.7 |
| Solubility | Dispersible in diesel oil and in mineral oil |
| Appearance | Powder |
| Color | Light tan |
| Odor | Odorless |
| Temperature Stability, °F | >350 |