

## CLAYMINTON® OF-218

High Performance Suspension Additive for oil-based drilling fluids

### ■ GENERAL INFORMATION

CLAYMINTON® OF-218 is high performance bentonite based organoclay which is designed for oil-based drilling muds and other drilling fluids. It is easily dispersed, self-activating, effective in both diesel based and mineral oil-based fluids. It shows good dispersibility, suspension, and mud-making properties in oil-based drilling muds. It's a high-performance rheology modifier with excellent suspension properties, resistance to filtration loss, lubricity, especially, it suspends weighting materials and other solids with less increase in viscosity and gel strength.

### ■ Physical Properties

Composition	Bentonite Organoclay
Colour & Appearance	White Powder
Moisture %	≤4
Particle Size (200Mesh Sieve %)	≥95
Specific Gravity (g/cm <sup>3</sup> )	<b>1.7-2.0</b>

### ■ KEY APPLICATIONS

CLAYMINTON® OF-218 is recommended for diesel-based drilling fluid and mineral Oil Based Drilling fluid and invert emulsion drilling fluid.

CLAYMINTON® OF-218 is considered as an efficient replacement traditional organoclays in mud plant and on-site well applications with rapid yield to prevent settling under low shear conditions. Furthermore, it also provides a good balance of rheology and moderate to high downhole temperature stability, making it suitable as a primary rheological in all-oil and invert muds based on diesel, mineral oil, poly, linear and isomerized alpha olefins, and modified oil based fluids.

■ **Product Highlights**

- Highly efficient development of rheological properties
- Rapid yielding ability
- Eliminates need for chemical activators
- Superior suspension properties and controlling settling in diesel oil and mineral oil based on fluid or mud
- Excellent static stability after hot rolling, without any syneresis or separation of oil
- Excellent resistance to filtration loss
- Temperature stable to 220 °C
- Not harmful to the environment

■ **Formulation Consideration**

The typical use levels and viscosities to be given will depend on base oil being used. Recognizing other ingredients can influence the ultimate YP/PV values, the final use level should be optimized to the target rheological values using the complete formulations. Some ladder studies would be considered before using.

■ **Shipping & Packaging**

Shipping Container	Net Weight
Pail/Carton/Bag	25kg

■ **Product Shelf life**

Its shelf life is two years from manufacturing date.

■ **Product Safety & Additional Information**

For handling, storage, health, and safety information and disposal procedures, as well as additional information, please refer to the Safety Data Sheet (SDS) and product label.

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[www.renheng.com](http://www.renheng.com)