

CLAYMINTON® OF-217

High Performance Suspension Additive for oil-based drilling fluids

■ GENERAL INFORMATION

CLAYMINTON® OF-217 is high performance HTHP 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 ³) | 1.7-2.0 |

■ KEY APPLICATIONS

CLAYMINTON® OF-217 is recommended for diesel-based drilling fluid and mineral Oil Based Drilling fluid and invert emulsion drilling fluid.

CLAYMINTON® OF-217 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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