

CLAYMINTON® OF-213

Rheology Modifier for oil-based drilling fluids

■ GENERAL INFORMATION

CLAYMINTON® OF-213 is one cost effective 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 properties, resistance to filtration loss, and lubricity. Further, 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/cm³	1.7-2.0

■ KEY APPLICATIONS

CLAYMINTON® OF-213 is recommended to below applications.

- Diesel-based drilling fluid
- Mineral Oil Based Drilling Fluid
- Water-in-oil drilling fluid

CLAYMINTON® OF-213 is cost effective organoclay in mud plant and on-site well applications. Further, it provides a good balance of rheology and low to moderate 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:**

- Good efficient development of rheological properties
- Especially suitable for shallow wells, cost effective
- Good suspension properties and controlling settling in diesel oil and mineral oil
- Good resistance to the syneresis or separation of oil
- Good resistance to filtration loss
- Temperature stable to 120 °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/Cartron/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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