ORGANOCLAY

OBM Viscosifier

Product Description

ORGANOCLAY is a viscosifier and gelling agent used in oil-base and synthetic-base systems. This amine-treated bentonite is used to increase carrying capacity and suspension properties, providing support for weight materials and improved cuttings removal. ORGANOCLAY also aids in filter-cake formation and filtration control.

Typical Physical Properties

Physical appearance	Off-white to tan powder
Specific gravity	1.57 - 1.6
Bulk Density	33 lb/ft^3

Application

ORGANOCLAY viscosifier is used to increase viscosity and gel strengths in oil-base and synthetic-base systems. It has proven effective in drilling, coring, workover and completion fluids. The product is also effective in specialty applications such as casing packs, packer fluids and spotting fluids. Good agitation and sufficient shear are required to develop viscosity when using ORGANOCLAY to build fresh mud.

Advantages

- Provides gel structure and viscosity for the suspension of weight materials
- Increases viscosity for improved hole-cleaning capacity
- Improves filter-cake quality and filtration characteristics
- Effective gelling agent in casing packs and packer fluids

Recommended Treatment

Typical concentrations range from 2 to 10 lb/bbl (5.7 to 28.5 kg/m^3) for most drilling fluid applications, depending on the base fluid and system requirements. Mineral oils generally require higher concentrations than diesel oils.

ORGANOCLAY will not fully yield by the shear and temperature exposure in a mixing plant or mud pit. Care should be taken not to over-treat with ORGANOCLAY until the fluid has actually circulated through the well.

For system maintenance, ORGANOCLAY should be added as needed to maintain the flow properties and gel strengths in the desired ranges. Specialty applications such as packer fluids and casing packs typically use concentrations in the 10 to 15 lb/bbl (28.5 to 43 kg/m^3).

Toxicity and Handling

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

ORGANOCLAY additive is packaged in 55-lb (25 kg), multi-wall paper sacks. It is also available in bulk packaging in 1000 kg & 1500 kg Jumbo bags. Store in a dry location away from sources of heat or ignition, and minimize dust.

Important Note: These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and method of use of our product are beyond our control. We recommend that the prospective user determine the suitability of our material and suggestions before adopting them on a commercial scale.