

BENGEL® 65

Economical rheological additive for drilling muds and working fluids in low temperature environments.

GENERAL INFORMATION

BENGEL® 65 rheological additive is an easy to disperse, rapidly yielding, economical organobentonite viscosifier for oil-based muds, invert emulsion muds, completion fluids and workover fluids.

BENGEL® 65's unique composition delivers a dry process gellant that requires less time and shear to build full rheology in drilling fluids, and that yields at low field temperatures. **BENGEL® 65** is also significantly more efficient in mineral oils and alpha olefins than conventional organoclay viscosifiers.

BENGEL® 65 is suitable for drilling fluids based on mineral and other low toxicity oils, synthetics, as well as diesel and crude oils.

CHEMICAL & PHYSICAL PROPERTIES

Composition	organically modified bentonite clay
Appearance	light tan color
Specific Gravity	1.7
Form	Finely divided powder
Moisture	4.0% maximum

These are typical properties not to be used for specification purposes.

APPLICATIONS

- Viscosifying drilling fluids including:
 - Oil-based muds
 - Invert emulsions
 - Packer fluids
 - Completion fluids
 - Workover fluids
- Based on:
 - Mineral oils
 - Low toxicity oils
 - Diesel oil
 - Crude oil
 - Alpha olefins(PAO, LAO, IAO)

KEY PROPERTIES

- Manufacturing fluids at low temperatures
- Conditioning mud before storage
- Increasing suspending properties of packer fluids
- Preparing spotting fluids to free stuck pipe
- Disperses easily with less shear
- Cost effective builds viscosity and yield point
- Yields at temperatures as low as 35°F / 2°C
- Suspends weighting materials and other solids
- Improves cuttings carrying and hole cleaning
- Aids control of fluid loss to the formation
- Not harmful to the environment

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INCORPORATION

Good agitation should be used for mixing when using **BENGEL® 65** additive.

LEVELS OF USE

The level of use depends on the rheological properties needed and on the type of base fluid being used. Pilot trials are recommended to optimize performance before field use.

HEALTH & SAFETY

Before using this product please consult our SDS for information on safe handling

SHELF LIFE

48 months from date of manufactured when stored with the recommendations below.

STORAGE RECOMMENDATIONS

Product should be stored in a covered, temperature and moisture-controlled environment

QUALITY ASSURANCE

Quality system at the site manufacturing this product complies with and is certified to ISO 9001 quality standards.

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