Product Data Sheet

ClayStar LP

Description

ClayStar LP is a high-molecular-weight, anionic liquid polymer designed to provide cuttings encapsulation and shale stabilization. ClayStar LP minimizes swelling and disintegration of clays. It reduces the sticking of clays on the BHA and bit balling and has an excellent ability to reduce torque and drag. The product acts as viscosifier, friction reducer and flocculant.

ClayStar LP can be used as single drilling fluid in many soil conditions.

Applications

ClayStar LP can be added directly into an active mud system.

Treatment

Typical concentrations of ClayStar LP additive are 2,1-3,8 kg/m³. It is also effective in salt muds, such as KCl- or NaCl-enhanced fluids, although slightly higher concentrations of ClayStar LP may be required.

Limitations

Because of its encapsulating ability ClayStar LP will plug shaker screens easily.
ClayStar LP is pH-sensitive with an optimum pH range of 8.5 to 10.5.

Advantages

- Limits cuttings dispersion
- Provides improved clay stabilization
- Prevents bit balling
- Coating and lubricating drilled solids
- Environmentally friendly
- Enhances drill-solids removal in clear water systems and carrying capacity of foams
- Liquid product for easy mixing and rapid yield
- Is versatile and multipurpose
- Improves the lubricity of most mud systems

Typical Properties

Appearance:	cream-colored opaque liquid
Ionic character:	anionic
Charge density:	medium
Molecular weight:	very high
Specific gravity:	1,07-1,10
Activity:	>30 %

Packaging

- 25 kg cans, 32 per pallet

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