Product Data Sheet

ClayStar 2020

Description

ClayStar 2020 is a high-molecular-weight, anionic liquid polymer designed to provide cuttings encapsulation and shale stabilization. ClayStar 2020 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 2020 can be used as single drilling fluid in many soil conditions.

Applications

ClayStar 2020 can be added directly into an active mud system.

Treatment

Typical concentrations of ClayStar 2020 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 2020 may be required.

Limitations

Because of its encapsulating ability ClayStar 2020 will plug shaker screens easily.
ClayStar 2020 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:	50 %

Packaging

- 25 kg cans, 32 per pallet

MGS Europe GmbH . Brüsseler Allee 21c . 41812 Erkelenz . Germany . Tel + 49(0) 2431 945762 . www.mgs-europe.de . info@mgs-europe.de