

Technical data sheet

SC XGUM



Description

SC XGUM is a biopolymer designed to provide maximum shear-thinning viscosity for drilling and completing fluids. SC XGUM is highly pseudo-plastic. It is an excellent yield point and gel strength modifier which exhibits a high tolerance to salts.

Applications

SC XGUM is the product of choice for:

- Horizontal directional drilling (HDD)
- Vertical drilling
- Salt water based drilling fluids
- Pipe jacking
- Slurry shield tunneling

Benefits

- Stable in high salinity, hard hardness
- Enhance rheology profile (YP, gel strength)
- Improve mud return
- Cost effective product
- Minimally affected by pH changes.
- Fully compatible with our SC drilling product range.
- Friendly to the environment.

Physical properties

Appearance	Beige powder
Apparent density:	0.6 – 0.7 g/cm ³
pH (1% in deionised water)	7 +/- 1,5

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Guidelines for use

▪ **Fresh water based mud systems**

Depending on the application and soil conditions, the dosage range is between 1 to 3 kg/ m³ of bentonite suspension. Recommended mixing time on low speed is 5-10 minutes.

▪ **Salt water based mud systems**

Depending on the technique and soil conditions, the dosage range between 3 to 5 kg/ m³ of bentonite suspension. SC XGUM should be added in a pre-hydrated bentonite suspension. Recommended mixing time on low speed is 5-10 minutes.

Packaging

In 25 kg paper bags

Storage

SC XGUM is resistant to microbiological contamination. As with any polymer system, prolonged storage of diluted solutions should be avoided or our SC BIOCIDES added to prevent microbiological growth. Keep the product in its original closed packaging above 0°C and no longer than 12 months.

Related Documents

MSDS & application sheets available on demand. Contact your CLARIANT technical representative for any further information or references.

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