

QXAN

Description

QXAN is a high molecular weight hydrophilic biopolymer. It is compatible with other additives commonly used in water-based drilling fluids. QXAN exhibits the rheological property of pseudo-plasticity or shear thinning (Shear-reversible property) in aqueous solutions.

It does not contain starch, guar gum or any other naturally occurring polymer. It complies with the API 13A specifications for drilling-grade xanthan gum.

Applications

Provides superior suspension and hole cleaning properties. Used as viscosifier in fresh and saline water based drilling fluids, completion or workover fluids. It can also be used in small volumes of mud as cleaning sweeps prior to tripping, logging or while drilling.

Used in low solids and highly weighted systems. It will enable optimum rheology control through superior low shear rate viscosity.

Features and Benefits

- QXAN provides excellent rheological properties for water based drilling fluids.
- Optimum solids suspension due to superior low shear viscosity.
- Compatible with most of water-based drilling fluid additives.
- Low concentrations are needed for obtaining high viscosities.
- Additions of oxygen scavengers and other thermal stabilizers can extend the QXAN stability up to 300°F.

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Typical Properties

Appearance	Powder
Color	Cream-Tan
Specific Gravity	1.5
Moisture	13% max
pH (1% solution)	6.0 - 8.0

Recommended Treatment

Small quantities provide high yield points and low plastic viscosities. Concentrations of 0.25 – 0.75 ppb (0.7 – 2.1 Kg/m³) are normal. These may be increased depending on the desired carrying capacity. When used as the sole viscosifier of a polymer fluid system, concentrations of 1.0 – 1.5 ppb (2.8 – 4.3 Kg/m³) of QXAN may be required.

Safety and Handling

Prior to using this product, refer to the safety data sheet for information on use of personal protective equipment, safe handling, storage, transport, and disposal.

Packaging

QXAN is available in 25 lb (11.36 kg), 50 lb (22.7 kg), 55 lb (25 kg) bags.