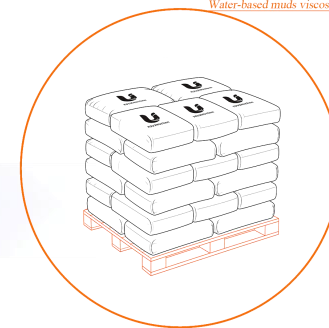


Water-based muds viscosifier

A water-based drilling fluid viscosifier and filtration control agent
Based on acrylamide – acrylic acid copolymer.

Water-based muds viscosifier



Product #: UBDrill-121



Introduction

UBDrill-121 is used as viscosity increasing agents for oil field chemicals, which are composed of many kinds of fine chemical materials. It has good viscosity increasing, flocculation, shear dilution and encapsulation properties. This product can reduce the amount of filtration loss, has good pollution resistance and temperature resistance. It is a safe, green and environmentally friendly mud additive.

Applications

- ✓ UBDrill-121 is usually used as a flocculant coating agent and viscosifier for water-based drilling fluids, with the functions of salt resistance, calcium resistance, and improving the flow pattern of drilling fluids.
- ✓ It can produce mud in a consistent formation in drilling fluids, prevent wellbore collapse, and is used in various mud systems.

Advantages

- ✓ Strong ability of hydrolysis resistance used in fresh water, brine and saturated brine fluids.
- ✓ Good performance at the modification rheology of drilling fluid and the hydration and expansion of drilling cuttings.
- ✓ Lower costs comparing other similar products.
- ✓ High compatibility with other components.

Typical Physical Properties

Table 1 Physical and chemical performance indicators of UBDrill-121

Items	Specification
Appearance	White powder
Moisture, %	8Max
0.90mm sieving residue, %	5.0Max

Table 2 Application performance indicators of UBDrill-121

Items		Specifications			
		AV	PV	YP	API
		mPa·s	mPa·s	Pa	mL@30min
Based mud		8~10	3~6	4~6	26~30
0.3% dosage	room temperature	35min	17min	18min	25max
	120°C@16h	25min	12min	10min	30max
Tested with Bentonite OCMA and combined brine hot rolled for 16 hours at 120°C , Filtration Volume(30 min) ,30mL Max (API Standard)					

Recommended Handling

- The recommended dosage is 0.1% to 0.5% (w/w), but a pilot test is required for optimal results.
- Handle as an industrial chemical wearing protective equipment and observing the precautions of described in the Material Safety Data Sheet (MSDS).



Packaging and Storage

- UBDrill-121 is packed in 25 kg multi-wall, paper sacks.
- Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and /or stacking.

For more information, Send email: info@youzhuchem.com, or call 0086 13408536218 or for information on other YouzhuCHEM products visit youzhuchem.com