Description

Applications/Functions

na pc	QUI-TROL [™] viscosifer is a free-flowing, liquid suspension of a modified atural cellulosic polymer, in an ultra-clean oil. LIQUI-TROL viscosifer of olymer when added to a QUIK-GEL [®] or BORE-GEL [®] slurry, yields a illing mud system suitable for drilling in water sensitive formations.	
•	Can provide filtration control in fresh or brackish water-based drilling fluids	
•	Can promote borehole stability in water sensitive formations	
•	Can pour a slug of concentrate into drill string directly to sweep the hole	
•	Can minimize rotational torque and circulating pressure	
•	Can improve hole cleaning and core recovery	
•	Can stiffen the foam to improve cuttings transport in air/gel-foam	

- Can stiffe drilling
- Can reduce air requirements, uphole velocity and borehole annulus pressure
- Effective in fresh water, salt water and brackish water-based drilling **Advantages** ٠ fluids
 - Effective in small quantities for filtration control .
 - Non-fermenting
 - Compatible with other Baroid drilling fluid additives
 - Resistant to harsh environments and contaminants

Appearance Specific gravity pH (0.3% solution) Flash point, PMCC °F (°C) Pour point, °F (°C) Freeze point, °F (°C)	Off-white, free-flowing, viscous fluid 0.98 9.0 185, (85) 35, (1.7) -40, (-40)
	 Specific gravity pH (0.3% solution) Flash point, PMCC °F (°C) Pour point, °F (°C)





Recommended Treatment

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- Using Venturi Mixer, or into vortex of a high-speed stirrer, add slowly and uniformly to entire circulating system.
- Used to slug down the rods to produce a high viscosity hole-cleaning sweep.

Ap	Approximate Amounts of LIQUI-TROL viscosifier or polymer Added to Water-Based Fluids							
	Desired Condition/Result							
Aa	lded to fresh or salt water	qt/100 gal	liters/m ³					
•	To help stabilize water sensitive formation	4-6	10-15					
•	To help reduce torque and lower circulating pressure	2-4	5-10					
(25	lded to QUIK-GEL® slurry 5 pounds per 100 gallons) 9 kilograms per m ³)	qt/100 gal	liters/m ³					
•	To help enhance drilling mud fluid properties	1-2	2.5-5					
•	To help improve drilling mud suspension and stabilization capabilities	2-4	5-10					
Aa	lded to injection liquid in air/foam drilling	qt/100 gal	liters/m ³					
•	To help improve foam performance and hole cleaning	1-4	2.5-10					

Note:

Salt water may require twice as much LIQUI-TROL viscosifier or polymer as <u>fresh water</u>. Preferably, LIQUI-TROL should be mixed in freshwater before it is added to salty water.