

Rapid CLA LOK 410™

LIQUID KCL SUBSTITUTE

Description:

Rapid Drilling Products, CLA LOK 410™ is a cationic low to medium molecular weight organic polymer designed specifically as a replacement for bagged potassium chloride (KCL).

The product provides excellent clay control and shale stabilization, without the logistics, handling and storage problems associated with large volumes of bagged KCL. Rapid CLA LOK 410 has been found to be uniquely effective in a variety of completion and well stimulation applications that call for protection of fresh water sensitive clay containing formations and shale bearing zones.

Rapid CLA LOK 410™ is compatible with all typically used completion and well stimulation additives Such as acid corrosion inhibitors, non-emulsifiers, HEC, PHPA, guar, xanthan and other viscosifiers. The product is not a surface-active agent or surfactant and does not alter formation pH. Unlike sack KCL the product mixes easily and is well suited for application, "on the fly." This product functions in a similar fashion as KCL in generation of a high ionic charge medium. (effective swelling prevention of sheet clays such as montmorillinite, bentonite, attapulgite etc.) The product also offers the advantages of polymeric clay stabilizers in helping to prevent the break-off and migration of clay "fines" which can occur from the presence of the finger like clays such as i and smectites, which often line formation pores.

ADVANTAGES:

- ⇒ Proven, effective suppressant for clay swelling, helps prevent fines migration
- ⇒ Compatible with typically used well completion and stimulation additives
- ⇒ Environmentally safe, extremely low in potassium content, less than 100 ppm
- ⇒ Safe, low viscosity, easy to handle, non hazardous, polymer
- ⇒ Not a surfactant, non foaming, mixes easily

PHYSICAL PROPERTIES:

Appearance	Red to Red- Amber Fluid
Density	8.9-9.0 lb / gal
Specific Gravity	1.068
PH (0.5% in 50/50 IPA, D.I. Water)	6.5 – 7.5
Flash Point C.O.C.	N/A
Freeze Point	-20° F (-5°C)
Boiling Point	N/A

APPLICATION INFORMATION

Rapid CLA LOK 410™ is typically applied at a concentration of 0.5 to 6 gallons per 1,000 gallons (GPT) of fluid depending on the type and quantity of clays that are present. Application rate of the product may also be adjusted depending on the loading rate of KCL being replaced.

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