



K2 PLUS (Amine)

DESCRIPTION

K2 Plus is a chloride free, cationic organic multivalent clay inhibitor, which is 100% soluble in water.

PROPERTIES

Physical		Chemical	
Appearance:	Clear liquid	Type:	Clay inhibitor
Specific Gravity:	0.90	Solubility:	100% Soluble (water)
Pour Point:	>-20°C	pH:	>12
Flash Point:	>100°C (TCC)	Microtox:	16.0 L/m ³

APPLICATION

K2 Plus has been developed as an effective chloride free clay inhibitor for water sensitive formations. It has a small ionic radius allowing easy substitution on the exchange sites with the sodium ion thereby effectively blocking the site for water hydration. K2 Plus also finds application for use as a source of inhibition in under-balanced drilling operations.

Note: K2 Plus is more concentrated than its predecessor and has a higher inherent pH which will affect the pH of some mud systems. K2 Plus is effective in any pH; however, increased dosage will be required in mud systems where the pH is maintained above 10.5

Some of the added benefits over other clay stabilizers are:

1. Excellent biodegradability (>60% by DOC Method); essentially non-toxic
2. Chloride free
3. Non-oil wetting
4. Non-foaming
5. Multiple absorption sites

The normal concentration used in the field is 3-5 L/m³ by volume.

MIXING AND HANDLING

K2 Plus can be added directly to the mud system either on surface or through the mixing system. Avoid eye and skin contact; should contact occur, flush thoroughly with water and seek proper medical attention. Wear plastic or latex gloves and chemical splash goggles. Do not wear contact lenses when handling this material. Wear chemical impervious clothing. Wash thoroughly after handling. Keep containers tightly closed at all times.

WHMIS: Controlled (see MSDS)	TDG: Regulated	PACKAGING: 20 liter pail
-------------------------------------	-----------------------	---------------------------------