

PRODUCT DATA

K2

DESCRIPTION

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

PROPERTIES

Physical		Chemical	
Appearance:	<u>Clear liquid</u>	Type:	Clay inhibitor
Specific Gravity:	1.07	Solubility:	100% Soluble (water)
Pour Point:	>-35°C	pH:	9.0-10.0
Flash Point:	>100°C (TCC)	Microtox:	>91% @ (10.0 L/m ³)

APPLICATION

K2 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 finds application for use as a source of inhibition in under-balanced drilling operations.

K2 is effective in any pH range, however increased dosage will be required above a pH of 10.5.

Some of the added benefits over other clay stabilizers are:

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

The normal concentration used in the field is 3.0-6.0 L/m³ by volume.

MIXING AND HANDLING

K2 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.

WHMIS: Controlled (see MSDS)	TDG: Not regulated	PACKAGING: 20 liter pail
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