

Product Information

STABLE K

GENERAL DESCRIPTION

Stable-K is a specialized liquid product designed as a replacement for bagged KCL. Stable-K provides excellent shale and clay control, without the logistics, handling and missing problems associated with large volumes of KCL. Stable-K is compatible with all gels, crosslinkers and breaker systems typically utilized in well stimulation and work over operations (pilot testing recommended). It will not greatly affect fluid pH and, being non-surface active, does not affect formation wet ability. Stable-K may be used in fresh water, acid or brine systems and will not hinder the performance of acid corrosion inhibitors. While the product does not contain any potassium, Stable-K is composed of a sophisticated, mildly cationic complex that functions as KCL to control shale and clay activity. Unlike KCL, Stable-K may be easily utilized in “on the fly systems” to eliminate pre-mixing and leftover brine disposal problems. If Stable K is mixed in fresh water, and no salts are added, the fluid can be easily disposed of without adverse effect on the environment. A 2% KCL solution contains 9,700ppm of Cl⁻, while a functionally equivalent fluid containing Stable-K is Cl free. This significantly reduced concentration greatly lessens any environmental risks.

TYPICAL PHYSICAL PROPERTIES

Form @ 21.1°C	Clear Liquid
Density, (Kg/m ³)	1.054
Flash Point °C (TCC)	>93.33°C
Pour Point °C	-40
pH	9-10
Ionic Charge	Mildly Cationic

APPLICATION

Stable-K is typically applied at a concentration of 0.5-10L per 1,000L of fluid (gpt) depending on the % KCL being replaced, shale and clay quantities present in the well bore and operation being performed. Where a 2% KCL functional equivalent is desired, Stable-K is added to fresh water at a recommended use concentration of Stable-K for a specific KCL functional replacement in a given quantity of water is available.

HANDLING

The high flash point and mildly alkaline pH of Stable-K make the product very easy to safely handle. However, as with all industrial chemicals, prolonged skin contact should be avoided. If skin or eye contact does occur, flush exposed are with copious amounts of water.

AVAILABILITY

Stable K is available in 20L pails.