

Fluid Loss Control Agent KWC030

1. Introduction

ChanPlug is remedial treatment technology for well repairs or well problems including casing or liner leaks, unsuccessful primary cementing job, top of cement, water production, depleted zones or high fluid loss. Fluid Loss Control Agent KWC030 is used in ChanPlug system to provide ultra-low fluid loss control in ChanPlug design. ChanPlug has the following advantages compared to conventional squeeze jobs:

1. Low fluid loss and high resistance to dehydration
2. Low viscosity but better fluid stability
3. Low gel set permeability and better gas or water tightness.

2. Physical Properties and Hazards

Additive	Form	S.G.	Water Solubility	Melting/Flash Point (°C)	Health Hazard	Physical Hazard	pH
KWC030	Milk Emulsion	0.98-1.08	Dispersed	>100	Eyes, Skin	None	6.0-8.0

3. Chemical Properties and Application

KWC030 itself can be used at temperature range 75-250°F and density range 10.5-20 lbs/gal due to its chemical natures. It can be mixed with freshwater, seawater, and salt water depend on ChanPlug treatment requirement.

Together with stabilizer KWC008, fluid loss control agent KWC030 can be used at a temperature up to 325°F in ChanPlug systems. It also can provide superior fluid loss control while maintaining proper rheological properties, and accurate gel time of ChanPlug systems. Much lower free water is also expected for ChanPlug fluids containing KWC030.

4. Treatment

KWC030 is ultra-low fluid-loss control additive used in ChanPlug systems at concentration of 0.5-2.0 gallon per sack of KWC020. Laboratory tests are generally required to optimize the KWC030 concentrations for effective ChanPlug design depends on temperature, mixing water, and density.

1. Packaging

KWC030 is supplied in 53 gallons high density polyethylene (HDPE) drums.

Keep it away from extreme conditions such as places near flames or direct sunlight.