TOC Fluid Loss Control Agent KCM039

1. Introduction

The thixotropic system is a very good solution for loss circulation, and KCM039 can be compatible with most of the thixotropic agents. As a FLA, KCM039 is very important for cementing job design, especially for the TOC design. Most fluid loss control agents affect other properties of cement slurry such as rheology, retardation, and cement set strength. Comprehensive laboratory testing is generally required for selection of fluid loss control agents.

2. Physical Properties and Hazards

Additives	Form	S.G.	Water Solubility	Melting/Flash Point (°C)	Health Hazard	Physical Hazard	pH
KCM039	White powder	1.37-1.57	soluble	None	None	Dust	None

3. Chemical Properties and Application

KCM039 is a solid fluid loss control agent that can be used for TOC slurry design at wide temperature (50-200℃) and density ranges (1.10-2.70sg) due to its unique chemical natures. It can be mixed with freshwater, seawater, and saltwater depending on application requirement.
It is approved by testing that KCM039 is not sensitive to cement brands especially for low to medium density slurry designs. However, like most polymeric fluid loss control agents, KCM039 generally increases slurry viscosity slightly especially at higher loading.

4. Treatment

0.2-2.0%BWOC loading is generally required for effective fluid loss control depending on temperature, mixing water, and slurry density.

5. Packaging

Each sack of KCM039 contains 25kgs with +/- 0.25kgs. Sacks consist of three layers with one polyethylene inner layer and two paper layers.