

## TOC Fluid Loss Control Agent KCM039

### 1. Introduction

The thixotropic cementing slurry is a very good solution for loss circulation while cementing.

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.

KCM039 is specifically developed to be compatible with most of the thixotropic agents. It is very important for TOC cementing job design.

### 2. Physical Properties and Hazards

| Additive | Form         | S.G.      | Water Solubility | Melting/Flash Point (°C) | Health Hazard | Physical Hazard | pH  |
|----------|--------------|-----------|------------------|--------------------------|---------------|-----------------|-----|
| KCM039   | White Powder | 1.37-1.57 | Soluble          | -                        | None          | Dust            | N/A |

### 3. Chemical Properties and Application

KCM039 is a solid fluid loss control agent that can be used in TOC slurry design at wide temperature (50-200°F) and density ranges (1.10-2.70s.g.) due to its unique chemical nature. It can be mixed with freshwater, seawater, and saltwater depending on applications.

It is approved by testing that KCM039 is not sensitive to cement brand especially for low to medium density slurry designs. However, like most polymeric fluid loss control agents, KCM039 slightly increases slurry viscosity 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

25 kg/sack packaging is available for KCM039. The sack consists of two paper layers and a plastic liner. It should be stored in shaded areas with good ventilation. Keep it away from high temperature, humidity and direct sunlight.