

Fluid Loss Control Agent KCM065S

1. Introduction

Selection of fluid loss additives is very important for cementing job 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.

KCM065S is an effective fluid loss control agent for low-to-medium temperature cement slurry design, especially when salt cement slurries and non-retarding effect are required.

2. Physical Properties and Hazards

Additives	Form	S.G.	Water Solubility	Flash Point (°C)	Health Hazard	Physical Hazard	pH
KCM065S	White powder	1.37-1.57	Partially soluble	NA	None	None	None

3. Chemical Properties and Application

KCM065S is a solid fluid loss control agent that can be used for cement slurry design at wide temperature (65-160°C) and density ranges (12-20 lbs/gal) due to its unique chemical natures. It can be mixed with freshwater, seawater, and salt water depending on application requirement.

It is approved by testing that KCM065S is not sensitive to cement brands especially for low to medium density slurry designs. However, like most polymeric fluid loss control agents, KCM065S generally increases slurry viscosity slightly especially at higher loading. This effect can be reduced by using dispersant.

Lower free water and no retarding effect are generally expected for cement slurries containing KCM065S. It is compatible with most cement additives especially in saltwater cement slurries.

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 KCM065S contains 25kgs. Sacks consist of three layers with one polyethylene inner layer and two paper layers.