Retarder KCM067

1. Introduction

KCM067 is a modified sodium lignosulfonate-based product used primarily as a cement retarder in oil well cementing applications. Of the chemical compounds that have been identified as retarders, lignosulfonates are the most widely used.

2. Physical Properties and Hazards

Additive	Form	Density	Lignosulphonate Contents	Physical Hazard	pH (1% Solution)
KCM067	Brown Powder	1.30-1.50	⩾68%	Moderate - Dust	6

3. Chemical Properties and Application

Lignosulfonate is a metallic sulfonate salt derived from the lignin recovered from processing wood waste. Retarder is a type of additive that can slow down cement hydration reactions. It is useful to allow cement slurry to be pumped in a longer time.
Lignosulfonates are compatible with anionic and non-ionic materials, dispersants, wetting agents and most organic and inorganic materials.

4. Treatment

KCM067 is typically used at a BHCT of 212°F or lower and at a concentration of 0.5% BWOC or less. It may be used at higher temperatures but will normally be limited by economic considerations.

5. Packaging

KCM067 is supplied in plastic-lining bags with net weight of 25kg/sack. Under dry conditions, powder products remain stable for several years.