

Defoamer and Anti-foaming Agent KCM043

1. Introduction

Foams formed while mixing cement slurry cause many problems such as lower and wrong density reading, poor particle wetting and hydration efficiency, and pumping difficulties due to pump cavitation and loss of suction. Defoamer or antifoaming agent is often required in cement slurry to avoid problems described above, especially for Latex Slurries.

2. Physical Properties and Hazards

Additive	Form	S.G.	Water Solubility	Melting/Flash Point (°C)	Health Hazard	Physical Hazard	pH
KCM043	Milk Emulsion	0.92-1.12	Dispersible	>93	Eyes	None	6-8

3. Chemical Properties and Application

Due to its chemical nature and high content of active ingredient, KCM043 is an effective foam breaker in most cement slurries at wide temperature range (75-350°F). It can also function as good anti-foaming agent such as KCM003.

KCM043 has been found to be compatible with most additives in cement slurry design without density and temperature limitations. KCM043 is especially effective in latex gas migration control systems and salt-tolerant cement slurries especially in salt-saturated systems.

4. Treatment

0.01-0.05 gal/sack of cement is required in most cement slurry applications.

5. Packaging

KCM043 is supplied in 5 gallons high density polyethylene (HDPE) drums or 53 gallons HDPE drums. Keep it away from extreme conditions such as places near flames or direct sunlight.