

## Antifoam Agent KCM003

### 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. KCM003 antifoam agent is often required in cement slurry to prevent foaming tendency and avoid problems described above.

### 2. Physical Properties and Hazards

| Additives | Form         | S.G.      | Water Solubility | Melting/Flash Point (°C) | Health Hazard    | Physical Hazard | pH  |
|-----------|--------------|-----------|------------------|--------------------------|------------------|-----------------|-----|
| KCM003    | Clear Liquid | 0.95-1.05 | Soluble          | >93                      | Eyes, Irritation | None            | 8-9 |

### 3. Chemical Properties and Application

KCM003 is an effective antifoam agent in most cement slurries that do not have high salt concentrations. It is NOT a foam breaker therefore KCM003 should be always added into mixing water before any foam forms. Higher agitation is required in cold weather for better dispersion.

### 4. Treatment

0.05-0.10 gal/sack of cement is required in most cement slurry applications.

0.05-0.10 gal/bbl is required to prevent foaming in most viscous spacer applications.

### 5. Packaging

KCM003 is supplied in 5 gallons high density polyethylene (HDPE) drums or 53 gallons steel drums.

Keep it away from extreme conditions such as places near flames or direct sunlight.