



Drilling Fluids, Inc.

Defoamer

ALUMINUM STEARATE

Description

Add ALUMINUM STEARATE as needed to control foam in all water-base fluids. Normally, 10 to 20 pounds (4.5 to 9.0kg) per 100 bbls (15.9m³) will provide good defoaming results. ALUMINUM STEARATE, Synonyms: Aluminum Distearate, Defoamer.

Uses

ALUMINUM STEARATE is used as a defoamer for water-base muds

Benefits

Very effective as a defoamer at low concentrations. It also has minimal effect on rheology of water based muds.

Treatment

ALUMINUM STEARATE can be applied by sprinkling over problem areas within the mud pits where foaming is evident. In addition, this material can be blended with diesel or a mineral based oil at a rate of 5 to 10lbs per 5 gallons of oil

Function

ALUMINUM STEARTE functions as a surfactant, changing the surface tension of water. This helps reduce the ability of foam to persist. Not an anti-foaming agent. (See Defoamer 7)

Typical Physical Properties

Appearance..... white powder
Hygroscopic.....no
Solubility in water..... insoluble
Specific gravity.....1.009

Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Use of appropriate respirator, gloves, goggles, and apron is recommended for employee comfort and protection. See Material Safety Data Sheet (MSDS) for this product prior to use

Packaging

ALUMINUM STEARATE is packaged in 25-pound (11.4 kg) multiwall bags.