



Drilling Fluids, Inc.

Defoamer

DEFOAMER 7

Description

DEFOAMER 7 is a silicone defoamer that is hydrocarbon free. It is for use in both freshwater and saltwater fluids.

Uses

DEFOAMER 7/ LD-8 effectively controls froth and foam in dispersed and non-dispersed water based drilling fluids. DEFOAMER 7/ LD-8 is also effective in controlling the foam of solids free polymer fluids, which are characterized by high Yield Point-to-Plastic Viscosity ratios. The high viscosity imparted by the polymer can often result in considerable body foam, which DEFOAMER 7 is effective in mitigating.

Benefits

DEFOAMER 7 contains no oil, will not cause a slick or sheen when used on offshore locations, and is biodegradable. DEFOAMER 7 remains effective, even after initial defoaming, and continues to suppress foam generation over extended periods of time. Rigorous agitation appears to enhance the defoaming effectiveness of DEFOAMER 7.

Treatment

Full-strength DEFOAMER 7 can be added to the drilling fluid system as needed. Small treatments of one quart/100 bbls at a time are generally sufficient to control most foaming problems. If a heavy treatment of 1 gallon/100 bbls does not control foam then it is unlikely that additional treatments will be effective.

Function

DEFOAMER 7 is an anti-foaming material. The molecular structure is such that bubbles are ruptured as they form by sharp points on the macro-molecules in addition to altering the surface tension.

Typical Physical Properties

Physical Appearance.....clear light yellow liquid
Specific Gravity.....1.005
pH in water.....6.8
Flash Point (ASTYM 056).....>200° F
Pour point.....33° F



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DEFOAMER 7 (continued)

**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) prior to use.

Packaging

Transportation of DEFOAMER 7 is not restricted by either international or USA regulatory agencies. DEFOAMER 7 is packaged gal non-returnable pails.