



Drilling Fluids, Inc.

DESCRIPTION

USES

BENEFITS

TREATMENT

FUNCTION

TYPICAL PHYSICAL PROPERTIES

SAFE HANDLING RECOMMENDATIONS

PACKAGING

DEFOAMER 7

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

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.

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**.

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.

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.

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

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.

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

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