



ARC D™

Product Data Sheet

Delivering Tomorrow's Fluid Technologies Today

Description

Aphron system defoamer.

ARC D™ is a water base mud defoamer. It has been specifically designed for use in a new concept for treating potential foaming issues in aphron-containing water-base fluids. **ARC D™** is unique because it has the ability to treat surface foams in an aphron-based fluid without removing the aphrons.

Properties

Form:	Liquid
Color:	Tan
Specific Gravity:	8.37 SG
Flash Point, PM	> 200 °F
pH (undiluted):	6.4
Viscosity, cst @ 100°F	93.1

Application

ARC D™ is a contingency product for treating accidental aphron breakout.

ARC D™ is primarily considered a defoamer but will act as an anti-foamer under certain conditions. **ARC D™** has been designed to use specifically with aphron-based drilling fluids when and if there is a need for defoaming. **ARC D™** is most effectively applied by spraying the neat product as a fine mist directly on the foam on the fluid surface. It can also be diluted with a hydrocarbon oil, mineral oil or synthetic oil and either sprayed directly on the foam on surface or added with a chemical pump directly to the fluid. Properly prepared aphron-based fluids do not foam. **ARC D™** treatments will only be required as a defoamer when the low-shear-rate viscosity of the fluid has dropped below acceptable levels. Such a condition might occur when sufficient dilution of the aphron-based fluid has occurred to reduce the LSRV below the systems aphron stabilization threshold. **ARC D™** should only be considered for use as insurance during initial makeup, dilution or as a contingency product for when the proper low-shear-rate viscosity may be compromised such as may occur when displacing another waterbase system with an aphron waterbase system.

Advantages

ARC D™ is multi-component blend.

- ARC D™ works well in all types of water base drilling fluids.
- ARC D™ is a multi-component blend of surface active materials based on selected polyglycols.

Handling and Storage

* Refer to Material Safety Data Sheet . . .

Precautions should be taken to keep the product from exceptional low temperatures. Although low temperatures will not affect the performance of the product, it will result in significant increase in viscosity and more difficulty in dispersing small quantities in water. See the Material Safety Data Sheet for more detailed information concerning storage, handling, transportation, disposal and safety requirements.

Packaging

Specialty packaging is available . . .

ARC D™ is packaged in 5 gallon (18.9 liter) non-returnable pails.

Questions & Answers

ARC Fluid Technologies, LLC “Offering You Tomorrow’s Solutions Today”

If you would like to know more about the ARC Aphron Fluid Technologies and how it can improve your well performance please contact us at:

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No claim of personal safety is intended nor implied by the use of the name Safe in this product. Personnel handling this material should read and follow all safety and handling procedures set forth on the Material Safety Data Sheet.