



# ARC G™

## Product Data Sheet

Delivering Tomorrow's Fluid Technologies Today

### Description

ARC G™ is an aphron stabilizer and waterbase system performance

ARC G™ is primarily an aphron stabilizer that synergistically works with ARC S™. ARC G™ is comprised of a non-toxic blend of surfactants and low-toxicity vegetable oils which will also chemically bond to clays providing inhibition against water absorption and swelling. When mixed with fresh water, salt water or drilling mud, it transforms into a uniform particle size micro-emulsion. This micro-emulsion produces a high surface area, reactive liquid that has an affinity for larger clay particles. The effect is minimal on small particles such as finely ground bentonite. It bonds to the clay matrix of shales to control swelling and sloughing.

### Properties

Form:	Liquid
Specific Gravity:	0.92 SG
Solubility in water:	Dispersible/soluble
Solubility in oil:	Soluble

### Application

ARC G™ is a multi-functional waterbase fluid additive.

While ARC G™ is primarily employed within waterbase aphron systems as an aphron stabilizer. When employed as an additive to conventional waterbase systems improved hole conditions, increased rates of penetration, and reduced problems associated with clay swelling have been the norm. ARC G™ has been used in many wells in areas of red beds, clays and sensitive shales where operators have experienced severe problems. ARC G™ is used at concentrations of 0.1% to 0.5% by volume in most applications for optimum performance.

ARC G™ is compatible with most water base fluid systems. It has little or no detrimental effects on mud properties. Days on hole are reduced and significant reductions in overall costs are generally realized. ARC G™ has also been used with excellent results in high angle and horizontal applications.

## Advantages

ARC G™ is multi-component blend.

- Aphron stabilizer
- Reduces torque and drag
- Toughens filtercake and improves flow properties when employed as a conventional waterbase fluid additive
- Minimizes bit balling and mud rings
- Enhances rate of penetration

## Handling and Storage

\* Refer to Material Safety Data Sheet . . .

See the Material Safety Data Sheet for more detailed information concerning storage, handling, transportation, disposal and safety requirements.

## Packaging

Specialty packaging is available . . .

ARC G™ is marketed in five gallon plastic pails as a viscous concentrated liquid that is environmentally safe. It is a low-toxicity vegetable oil base with a high flash point.

## 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.***