



ARC V-3™

Product Data Sheet

Delivering Tomorrow's Fluid Technologies Today

Description

A primary viscosifier for the oilbase aphron system.

ARC V-3™ is a primary rheology additive that provides low shear rate viscosity (LSRV) non-aqueous drilling, workover and completion fluids. When mixed with oils or oil base muds, it provides hole cleaning, solids suspension and formation invasion control. Addition of **ARC V-3™** results in LSRV Invasion Control properties which promotes low solids, shear thinning for increased rates of penetration.

ARC V-3™ is used in non-aqueous aphron fluid technologies to reduce formation damage, reduce lost circulation, promote borehole stability, eliminate bridges, fill and barite settling. loss and formation invasion is dramatically reduced **ARC V-4™** can be used in non-aqueous aphron fluid technologies with excellent results in drilling highly permeable, low-pressure depleted zones. **ARC V-3™** is used with excellent results in highly permeable, low-pressure depleted zones.

Properties

Form:	Powder
Color:	Tan
Bulk density:	Compacted 39.0, Uncompacted 29.5 lbs. per ft ³
Specific gravity:	1.4 - 1.7 SG
pH: (5% in water)	ND
Solubility:	Insoluble in water, Dispersible in oils

Application

ARC V-3™ is the primary viscosifier for the oilbase aphron system.

ARC V-3™ rheology additive is recommended in concentrations of 8.0 - 20.0 pounds per barrel for use in most oils or synthetics. **ARC V-3™** is used as the primary rheology additive to enhance LSRV in OBM or SBM. **ARC V-3™** can be added directly to the oils or OBM through a mud hopper. Although **ARC V-3™** readily yields in most non-aqueous fluids, care should be taken to add **ARC V-3™** slowly. **ARC V-3™** will continue to yield for several hours, use care to avoid over treating. **ARC V-3™** is compatible with most non-aqueous fluids including crude oil, diesel, mineral oil, vegetable oil and synthetics. It is also effective in oil base muds (OBM) and synthetic base muds (SBM).

Advantages

ARC V-3™ is a multi-benefit additive.

- Excellent hole cleaning and suspension
- Imparts non-aqueous fluid aphron stability
- Invasion control
- Aids lost circulation prevention
- Reduces stuck pipe potential
- Enhances drilling and workover operations

Handling and Storage

* Refer to Material Safety Data Sheet . . .

ARC V-3™ is an environmentally safe dry powder. See the Material Safety Data Sheet for more detailed information concerning storage, handling, transportation, disposal and safety requirements.

Packaging

Specialty packaging is available . . .

ARC V-3™ is packaged in special 50 lb plastic containers designed to keep the product moisture free.

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.