



ARC V-1™

Product Data Sheet

Delivering Tomorrow's Fluid Technologies Today

Description

A primary viscosifier for the ARC V-1™ waterbase aphron system.

ARC V-1™ is a blend of non-ionic polymers which provide low shear rate viscosity (LSVR) in drilling fluid systems. When mixed with fresh water, brines, or formates it becomes a water soluble viscosifier providing hole cleaning, solids suspension, and formation invasion control.

Properties

Form:	Dry powder
Bulk density:	Compacted 56, Uncompacted 43 lbs. per ft ³
Specific gravity:	1.5 SG
pH: (1% in water)	9.5
Solubility:	Completely soluble/dispersible in water

Application

ARC V-1™ drives phase separation while controlling whole mud invasion.

ARC V-1™'s use results in LSRV Invasion Control properties which promote a low solids, shear thinning fluid with increased rates of penetration. **ARC V-1™** is compatible with most makeup water including brines and formates. Days on hole are significantly reduced and significant reductions in overall cost are typically realized. **ARC V-1™** has been used with excellent results in many high angle and horizontal applications.

ARC V-1™ is recommended in concentrations of 3.5 to 5.0 lb/bbl for optimum performance in most drilling fluid applications. **ARC V-1™** is readily dispersible and can be added directly to the drilling fluid through a mud hopper.

Advantages

ARC V-1™ is a multi-benefit additive.

- Control invasion
- Enhance multiple phase flow separation
- Enhance aphron micro-environment seal building
- Optimized hole cleaning
- Optimize reservoir clean up potential

Handling and Storage

* Refer to Material Safety Data Sheet . . .

ARC V-1™ 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-1™ is packaged in a special 25 lb plastic pail designed to protect the product from moisture.

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.