



# ARC V-2™

## Product Data Sheet

Delivering Tomorrow's Fluid Technologies Today

### Description

A primary viscosifier for the ARC V-2™ waterbase aphron system.

**ARC V-2™** is a blend of viscosifiers and synergistic agents designed to promote low shear rate viscosity (LSVR) in drilling fluid systems. When mixed with fresh water, brines, or formates it produces high Brookfield readings while minimizing Fann readings in the high shear ranges. This produces a drilling, workover and completion fluid with excellent suspension and hole cleaning properties yet provides low equivalent circulating densities. It is not affected by most drilling contaminants and exhibits no excessive gelation. When combined with **ARC PC™** it forms the base stabilizing fluid for one of the waterbase aphron fluid technologies systems.

### Properties

Form:	Dry Powder
Color:	Light Tan
Specific gravity:	1.9 - 2.4
pH: (1% in water)	Not Determined
Solubility:	Soluble (in hot water)
Bulk density:	Compacted 53.36 Uncompacted 40.17 lbs. per ft <sup>3</sup>

### Application

ARC V-2™ drives phase separation while controlling whole mud invasion.

**ARC V-2™**'s use provides a highly structured base fluid with exceptional LSRV properties resulting in excellent aphron stability. Combining these features with the sealing attributes of enhanced aphrons enables us to deliver an ideal drilling, workover and completion fluid for permeable and micro-fractured zones. The sealing efficiency, LSRV and low ECD properties make this a fluid of choice for high angle and horizontal applications; particularly in areas where tight drill windows are present.

**ARC V-2™** is recommended in concentrations of 15.0 to 30.0 pounds per barrel for optimum performance in most drilling fluid applications.

**ARC V-2™** is readily dispersible and can be added directly to the waterbase drilling fluid through a mud hopper.

## Advantages

ARC V-2™ is a multi-benefit additive.

- Provides excellent hole cleaning and suspension properties,
- Controls whole mud formation invasion,
- Enhances aphron micro-environment seal building,
- Reduces tight hole problems,
- Mitigates the potential for differential sticking,
- Enhances hole cleaning.

## Handling and Storage

\* Refer to Material Safety Data Sheet . . .

ARC V-2™ 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-2™ is packaged in a special 50 lb plastic lined bag 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.***