



# BARAFLOC®

## Flocculent

**Description** BARAFLOC, partially hydrolyzed polyacrylamide, is used to flocculate clays and shales encountered in drilling operations. BARAFLOC can be used to maintain optimum levels of active flocculent.

**Applications/Functions** *The use of BARAFLOC flocculent aids or promotes the following:*

- Flocculate and settle out dispersed formation solids in clear fluids and conventional drilling fluids
- Inhibit the dispersion of formation clays and cuttings
- Reduce the build-up of formation solids in mud systems
- Reduce dilution rates required to maintain properties

**Advantages**

- Aids in the maintenance of drilling fluids
- Decreases filter cake thickness
- Allows for increased rate of penetration
- Reduces water requirements for controlling mud weight and keeping the solids concentration low
- Effective in small concentrations

**Typical Properties**

- Appearance White beads
- pH (0.5% Aqueous Solution) 7

**Recommended Treatment**

Approximate Amounts of BARAFLOC Flocculent Added to Water Based Fluids		
lbs/bbl*	lbs/100gal	kg/m <sup>3</sup>
0.005 – 0.01	0.012 – 0.024	0.014 – 0.029

\*1 bbl = 42 U.S. gallons or 0.16 m<sup>3</sup>

- BARAFLOC should be hydrated in the desired concentration within freshwater prior to adding to the system. Treatment rates will vary depending on the penetration rate, hole size, and formation encountered.
- The above recommendations regardless of application are generalized concentrations and are intended solely as a starting point. Pilot testing is always required to optimize the appropriate product and final usage concentrations.
- The above are generalized concentrations of BARAFLOC Flocculent to be added to water-based drilling fluids. The ultimate usage concentration will be based on local geology, application and mixing efficiency. In the event that further information is needed please refer to the Product Data Sheet or contact your local Baroid IDP representative.

**Packaging**

BARAFLOC Flocculent is packaged in 1-lb (0.45-kg) cans with 30, 1-lb cans per case.

**Availability**

BARAFLOC Flocculent can be purchased through any Baroid Industrial Drilling Products Retailer. To locate the Baroid IDP retailer nearest you contact the Customer Service Department in Houston or your area IDP Sales Representative.

**Baroid Industrial Drilling Products  
Product Service Line, Halliburton**

3000 N. Sam Houston Pkwy. E.  
Houston, TX 77032

<b>Customer Service</b>	(800) 735-6075 Toll Free	(281) 871-4612
<b>Technical Service</b>	(877) 379-7412 Toll Free	(281) 871-4613