



# NO-SAG®

## Biopolymer Gel Strength Enhancer

**Description** NO-SAG is a free-flowing, powdered and easily dispersed biopolymer. It enhances the carrying capacity of both clay and polymer-base drilling fluids without significantly increasing the viscosity of the slurry.

- Applications/Functions**
- Increase gel strength of the drilling fluid for better suspension of the drilled cuttings, coarse sand and gravel
  - Enhance carrying capacity for solids suspension at lower viscosity to further ensure flowability on longer length bores and backreams
  - Improve resistance to contamination when drilling in brackish and salt water environments

- Advantages**
- Mixes easily into pre-hydrated bentonite-based fluids
  - Enhances system by increasing the suspension properties of the base drilling fluid with a minimal increase in viscosity
  - Small packaging for ease of handling and reduction of waste

- Typical Properties**
- Appearance Beige powder
  - Specific gravity 1.6
  - Bulk density (lb/ft<sup>3</sup>) 45
  - pH (0.14% or 0.5 lb/bbl) 7.1 - 7.4

**Recommended Treatment** Mix 2-4 pounds (1-2 bags) of NO-SAG per 300 gallons (0.8-1.6 kg/m<sup>3</sup>) of BORE-GEL drilling fluid slurry.

| Amounts of NO-SAG added to a Drilling Fluid Slurry |                   |                                   |                   |                                    |                   |
|--|-------------------|-----------------------------------|-------------------|------------------------------------|-------------------|
| BORE-GEL™<br>(30 – 50 lb/100 gal)                  |                   | QUIK-GEL®<br>(15 – 40 lb/100 gal) |                   | POLY-BORE™<br>(0.5 – 1 lb/100 gal) |                   |
| lb/100 gal   | kg/m <sup>3</sup> | lb/100 gal                        | kg/m <sup>3</sup> | lb/100 gal                         | kg/m <sup>3</sup> |
| 0.5 – 1.5  | 0.6 – 1.8         | 0.5 – 2                           | 0.6 – 2.4         | 1 – 4                              | 1.2 – 4.8         |

**Packaging** NO-SAG® is packaged in a cardboard box containing 10 airtight sealed plastic bags. Each bag contains 2 pounds (0.91 kg).

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**Availability** NO-SAG can be purchased through any Baroid Industrial Drilling Products Distributor. To locate the Baroid IDP distributor nearest you contact the Customer Service Department in Houston or your area IDP Sales Representative.

**Baroid Industrial Drilling Products,  
A Product and Service Line of Halliburton Energy Services, Inc.**

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

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