



# NO-SAG<sup>®</sup>

## Suspension Enhancer

### Description

NO-SAG<sup>®</sup> suspension enhancer is a premium quality, powdered biopolymer that is used to enhance the carrying capacity of both clay and polymer-based drilling fluids without significantly increasing the viscosity of the slurry. NO-SAG is easily dispersible in fresh or brackish water.

### Applications/Functions

*The use of NO-SAG suspension enhancer promotes the following:*

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

### Advantages

- Can mix easily into pre-hydrated bentonite-based fluids
- Helps enhance 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                         | Free-flowing 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

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

### Treatment

Approximate Amounts of NO-SAG <sup>®</sup> suspension enhancer Added to Water-Based Drilling Fluids					
BORE-GEL <sup>®</sup> drilling fluid (30 – 50 lb/100 gal)		QUIK-GEL <sup>®</sup> drilling fluid (15 – 40 lb/100 gal)		POLY-BORE <sup>™</sup> slurry (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

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

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**Availability** NO-SAG suspension enhancer 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 Baroid 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

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