



# N-SEAL™

## Lost Circulation Material

<b>Description</b>	N-SEAL™ acid soluble lost circulation material is specially formulated extrusion spun mineral fiber. Due to its solubility in weak acids, N-SEAL lost circulation material is easily removed from production zones.				
<b>Applications/Functions</b>	N-SEAL material can be used as an additive for loss of circulation in concentrations of up to 70 lb/100 gallons (86 kg/m <sup>3</sup> ).				
<b>Advantages</b>	<ul style="list-style-type: none"><li>• NSF/ANSI Standard 60 certified</li><li>• Acid soluble</li><li>• Easily-wetted</li><li>• Inorganic and non-fermenting</li></ul>				
<b>Typical Properties</b>	<table><tr><td>• Appearance</td><td>Gray white fiber</td></tr><tr><td>• Specific gravity</td><td>2.6</td></tr></table>	• Appearance	Gray white fiber	• Specific gravity	2.6
• Appearance	Gray white fiber				
• Specific gravity	2.6				
<b>Recommended Treatment</b>	<p>N-SEAL material can be added directly through the hopper.</p> <ul style="list-style-type: none"><li>• For normal treatment to the active system, add 5-20 lb/100 gallons drilling fluid (6-24 kg/m<sup>3</sup>)</li><li>• As a pill, add 20-70 lb/100 gallons of drilling fluid (24-86 kg/m<sup>3</sup>)</li></ul> <p>N-SEAL material is 95% acid soluble. To dissolve 1 lb of N-SEAL material treat with either</p> <ul style="list-style-type: none"><li>• 1-2 lb AQUA-CLEAR® MGA acid (1-2 kg/kg)</li></ul> <p><b>or</b></p> <ul style="list-style-type: none"><li>• 0.5-1 gal of 10% HCl/5% Acetic acid blend (1-2 liters/kg)</li></ul>				
<b>Packaging</b>	N-SEAL lost circulation material is packaged in 30-lb (13.6 kg) multiwall paper bags.				
<b>Availability</b>	N-SEAL lost circulation material 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