



BARALUBE NS™

Lubricant

Description

BARALUBE NS™ Lubricant is an environmentally acceptable blend of additives which are designed to reduce rotational torque and drag in water-based drilling fluids. BARALUBE NS Lubricant preferentially adheres to the metal surfaces in contact with water-based drilling fluids, lubricating the bit and drill string to enhance and improve rate of penetration. BARALUBE NS Lubricant is readily compatible with bentonite based or polymer based fluid systems and can be effectively utilized for enhanced lubrication properties without having a negative effect on the drilling fluid properties.

Applications/Functions

The use of BARALUBE NS Lubricant additive promotes:

- Reduced torque and drag
- Reduced potential for differential sticking
- Enhanced rate of penetration
- Reduced sticking tendencies of clay and shale to bit and bottom hole assembly

Advantages

- Disperses readily in water based fluids, even with low shear
- Compatible with most Baroid drilling fluid additives when added in proper sequence
- Suitable for use in subsurface temperatures up to 300°F (149°C)
- Proven track record in vertical and horizontal drilling disciplines
- Minimal effect on rheological properties
- Minimal to no foaming during high shear mixing
- Low freeze point (-11.2°F, -24°C)

Typical Properties

Appearance	Clear amber liquid
Flash Point (°F, °C)	428, 220
Specific Gravity	0.983

Recommended Treatment

- Using a Venturi Mixer, or into vortex of a high-speed stirrer, add slowly and uniformly to the entire circulating system.

Approximate Amounts of BARALUBE NS Lubricant Added to Water-Based Drilling Fluids		
% by volume	gallons/100 gallons	liters/m ³
0.5 – 3.0	0.5 – 3.0	5 – 30

- The above are generalized concentration ranges of BARALUBE NS Lubricant to be added to water-based drilling fluids. The ultimate usage concentration will often be based on local geology, application and mixing efficiency. In the event that further information is needed please contact your local Baroid IDP representative for additional assistance.

Packaging

BARALUBE NS Lubricant is packaged in 20-liter (5.3-gal) plastic drums or 950-liter (251-gal) IBC containers.

Availability

BARALUBE NS Lubricant is a regionally sourced product within the EU and will not be available through all Baroid Industrial Drilling Products Retailers. To locate the nearest stocking Baroid IDP retailer to you please contact the Customer Service Department in Houston, TX or contact CEBO Holland at the following number:

CEBO Holland, BV
 Baroid IDP Master Distributor
 Westerduinweg 1
 NL-1976 BV IJmuiden
 The Netherlands
Customer Service: +31 (0) 255-46262