



QUIK-FOAM® HP

High Performance Foaming Agent

Description QUIK-FOAM® HP High Performance Foaming Agent is a proprietary blend of surfactants that can be added to fresh, brine, or brackish water for air/foam, air/gel-foam, or mist drilling applications for a superior performing foaming agent.

Applications/Functions

The use of QUIK-FOAM HP assists or promotes the following:

- Enhance the rate of cuttings removal
- Increase the ability of lifting large volumes of water
- Improve hole-cleaning capability of the airstream
- Reduce the sticking tendencies of wet clays, thereby eliminating mud rings and wall packing
- Reduce erosion of poorly consolidated formations
- Provide a technique for drilling in zones with lost circulation
- Increase borehole stability
- Reduce air-volume requirement
- Suppress dust during air drilling operation

Advantages

- High quality, high expansion foamer with a consistency similar to shaving foam
- High stability with superior retention time
- Versatile and compatible with various types of make-up water
- Resistant to multiple contaminants
- Remains usable at low/freezing temperatures
- NSF/ANSI/CAN Standard 60 Certified

Typical Properties

Appearance	Light yellow, transparent liquid
Specific gravity	1.03
Flash point, PMCC	86°F (30°C)
Pour point	0°F (-18°C)

Recommended Treatment

Approximate Amounts of QUIK-FOAM® HP Added to Injection Water			
Application	Amount/100 gal	Amount/bbl	Liters/m³
Dry-air drilling (as a dust suppressant)	0.5 - 1 pints	0.2 - 0.5 pints	0.5 - 1.5
Mud-mist drilling in sticky clays	1 - 2 quarts	1 - 2 pints	2.5 - 5
Foam and gel-foam drilling	0.5 - 2 gallons	1.5 - 7 pints	5 - 20
As a slug to clean the annulus	1 pint*	0.5 pints*	0.5**

* in drill pipe, followed by 3 to 5 gallons of water; ** followed by 20 liters of water

Note: Close product container immediately after use to avoid gelling.

Product Make-ups for Air Drilling Injection Slurries				
Main Ingredient of Injection Slurry	Water (gallons)	QUIK-GEL® viscosifier (pounds)	QUIK-TROL® GOLD polymer (pounds)	QUIK-FOAM HP foaming agent (% by volume)
Foam Drilling System	100	0.02 - 3.0
<i>Mixing/Injection Procedure</i>				
Add QUIK-FOAM HP to injection water. Inject into the air stream at a rate necessary to maintain hole stability and penetration rate. Increase amount of QUIK-FOAM HP as required to compensate for downhole water dilution				
Firm-Foam Drilling System	100	...	0.5 - 1	0.1 - 2.0
<i>Mixing/Injection Procedure</i>				
Mix polymer with water before adding QUIK-FOAM HP. 1-2 pints of EZ MUD® may be used as a substitute for QUIK-FOAM HP. Inject into the air stream at a rate necessary to maintain hole stability and penetration rate.				
Mud-Mist Drilling System	100	25	...	0.3 - 1.0
<i>Mixing/Injection Procedure</i>				
Mix viscosifier with water before adding QUIK-FOAM HP. Inject into the air stream at a rate necessary to maintain hole stability and penetration rate. Resulting viscosity is 32-40 sec/qt as measured by Marsh Funnel.				
Gel-Foam Drilling System	100	12 - 15	1	0.3 - 1.0
<i>Mixing/Injection Procedure</i>				
Mix viscosifier and polymer with water before adding QUIK-FOAM HP. Inject into the air stream at a rate necessary to maintain hole stability and penetration rate. Resulting viscosity is 32-40 sec/qt as measured by Marsh Funnel.				

Note:

In accordance with the Safe Water Drinking Act, it is illegal to discharge any foreign substance into surface water or water shed due to potential contamination of ground water. After use, the foam mixture must be localized in an earthen pit or some type of containment and allowed to biodegrade naturally. Please check with your local regulatory discharge requirements for additional information.

Packaging QUIK-FOAM® HP is packaged in 5-gallon (19-liter) plastic containers or in 55-gallon (208-liter) drums.

Availability

Baroid Industrial Drilling Products

Product Service Line, Halliburton

3000 N. Sam Houston Pkwy E.

Houston, TX 77032

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