



Cebo IPR-602

Industrial Drilling

Description & Properties

Cebo IPR-602 liquid foaming agent is an anionic surfactant which can be added to fresh water for air/foam, for air/gel-foam or mist drilling applications. Cebo IPR-602 is useful in drilling unstable formations, large diameter holes and in lost circulation conditions. In a wide range of varying drilling conditions, Cebo IPR-602 produces high quality foam of the most desirable consistency for efficient air-foam drilling. The use of Cebo IPR-602 enhance the efficiency of cuttings removal and increase the ability to lift large volumes of water. Cebo IPR-602 is of high quality, high expansion foam with a consistency similar to shaving foam. It's high stability brings excellent retention time. Cebo IPR-602 reduces sticking tendency of wet clays, minimizing the risk of mud rings and wall packing.

Typical properties

<u>Parameter</u>	<u>Test method / In accordance with</u>	<u>Requirement</u>	<u>Typical property</u>
Composition			Biodegradable anionic surfactant
Colour			Light yellow
Form			Clear liquid
Specific gravity			≈ 1.05
pH 1% solution			5.5 - 9.0
Flash point			> 100 °C

Recommended use:

Air drilling:	5 - 10 liter per m ³ of water
Mist drilling:	2 - 5 liter per m ³ of water
Dust suppression	0.5 - 2 liter per m ³ of water

Approximately use for Air drilling injection slurries:

<u>Water</u>	<u>NO-SAG</u>	<u>EZ-MUD</u>	<u>Cebo IPR-602</u>
1 m ³	0.5 - 1 kg/m ³	1 - 2 liter	5 - 10 l/m ³

Foam mixing/injection procedure:

Add Cebo IPR-602 to injection water. Inject into the air stream at a rate necessary to maintain hole stability and penetration rate. Increase amount of Cebo IPR-602 as required to compensate for downhole water dilution.

To build a stiff-foam drilling system:

Mix NO-SAG 0.5 - 1 kg/m³ and/or EZ MUD 1 - 2 l/m³ with water before adding Cebo IPR-602. Inject into the air stream at a rate necessary to maintain hole stability and penetration rate.

Cebo IPR-602 is available in 20.5 kg/20 liter pails.

In so far as we can ascertain the above-stated information is correct. However, we are unable to provide any guarantees with regard to the results that you will achieve with this. This specification is provided on the condition that you determine yourself to what degree it is suitable for your purposes.

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