Emulic LUB 1

Drilling › oilfield drilling lubricants

GENERAL INFORMATION

Lubricant for water-based drilling fluids. Emulic LUB 1 is a mixture of fatty acid derivatives, surfactants and high-pressure and anti-wear additives. The product is easily biodegradable and is not classified as hazardous according to REACH and CLP.

PROPERTIES

Microemulsions obtained with Emulic LUB 1 are stable, even in high brine concentrations. Lubricating properties measured with the EP Tester FANN device for a working fluid prepared with Emulic LUB 1 are as follows:

- the coefficient of friction for water at a pressure of 150 lbin at 60 rpm is 0.09
- the pressure force at which scuffing occurs for water is 550 lbin.

APPLICATION

Emulic LUB 1 at an addition of 0.1% by volume reduces the coefficient of friction of tap water from 0.41 to 0.09.

Addition of the product to drilling fluid causes a reduction in torque, a reduction in the coefficient of friction and in pulling of drill pipe, especially in directional and curved holes.

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