

INFORMATION

SURF-ACT

MUD SURFACTANT

DESCRIPTION

SURF-ACT is a liquid nonionic phenol ethylene oxide with an active concentration of 60% (any higher active content would inhibit the product's pourability).

APPLICATION

SURF-ACT is designed to improve the flow properties of drilling fluids up to very high bottom hole temperatures. It is a good emulsifier of oil in both fresh and salt waters. It improves oil wetting and lubrication, resulting in less torque and drag.

The principal content behind SURF-ACT's role in improving the flow properties of the fluid is that this nonionic surfactant is absorbed out of the aqueous solution on to the surfaces of clays. The hydrated sheath thus absorbed onto the clay surface acts as a barrier which drastically limits the physio-chemical interaction between clay particles. This reduces the swelling of clays and dispersion of shales.

RECOMMENDED TREATMENT

Typically 25 to 100 gal of surfactant per 100 bbl of mud will provide desired performance.

PACKAGING

SURF-ACT is packaged in 55 gal drums containing approximately 434 lb of product.

SURF-ACT is a Messina trademark