RIG OIL sales & services

INFORMATION

MESSINA CHEMICALS

RHEOTHIN

FERROCHROME LIGNOSULFONATE MUD CONDITIONER

DESCRIPTION

RHEOTHIN is a ferrochrome lignosulfonate for drilling mud purposes. It is also available in a chrome, chrome-free, and potassium varieties. During the manufacturing process, more calcium and sugar, both impurities, are removed than in most of the other competitive lignosulfonates on the market. This greatly enhances the effectiveness of RHEOTHIN and for this reason the product is in great demand.

APPLICATION

RHEOTHIN is placed under the general classification of "mud conditioning agent", in that it functions as a deflocculant and water loss control agent in water-base mud systems. Its secondary contributions to the "conditioning" of the mud system are as an emulsifier of diesel oil, as an inhibitor (at high dosages) against the swelling of expanding clays, and as a corrosion inhibitor. RHEOTHIN will stabilize mud systems to very high fluid temperatures.

RECOMMENDED TREATMENT

For a "controlled" mud system a concentration of between 8.0 to 10.0 ppb (22.8 to 28.5 kg/m^3) of RHEOTHIN is suggested. As a deflocculant for sea water muds, 4.0 to 6.0 ppb (11.4 to 17.1 kg/m^3) is usually required, and as a deflocculant for fresh water mud systems a concentration of between 1.0 to 3.0 ppb (2.8 to 8.5 kg/m^3) is recommended.
RHEOTHIN, like all other drilling grade lignosulfonates, is acidic; therefore, after each addition it is necessary to adjust the pH of the mud system to an approximate range of 9.5 to 11.0. A pH within this range is important for the complete reaction of the product in the system.

PACKAGING

RHEOTHIN is packaged in 50 lb or 25 kg net export paper bags.

MISCELLANEOUS

Quality reports are issued for each shipment of RHEOTHIN. Prices and delivery schedules are available from Messina offices, local representative or distributor.