

INFORMATION

HYDRO-WET

MUD SURFACTANT/WETTING AGENT

DESCRIPTION

HYDRO-WET is a selected nonionic surfactant with excellent water-wetting characteristics for use in solids-laden aqueous fluid systems. The product is a clear liquid, and is available in formulations for warm and cold climates.

These two formulations weigh 8.4 ppg (1.01 kg/L) and 7.9 ppg (0.95 kg/L), respectively.

APPLICATION

HYDRO-WET is an excellent wetting agent for hydrophobic solids such as gilsonite, asphalt, barite, etc., in water-base drilling fluids. HYDRO-WET acts to homogenize drilling muds, providing optimum interaction of mud solids with the water phase.

HYDRO-WET will prevent or cure "breakout" or flotation of gilsonite and asphalt additives. When used in conjunction with Messina's Thermo-Seal or Thermo-Seal-T, HYDRO-WET provides economical control of HTHP fluid loss while improving hole stability and filter cake quality. HYDRO-WET also improves flow properties of the drilling mud.

RECOMMENDED TREATMENT

To wet and disperse gilsonite or asphalt additives, add 5 gal of HYDRO-WET per 100 bbl of mud in system, plus 5 gal of HYDRO-WET for every 15 to 20 sacks of gilsonite or asphalt. Adjust treatment as required to achieve good dispersion of the additives and avoid flotation. HYDRO-WET should be added slowly to the mud system, at the pump suction.

To cure a flotation problem, drip-feed HYDRO-WET downstream from the shale shaker, and distribute 5 to 10 gal of HYDRO-WET over the surface of each mud pit. Agitate pits to wet and disperse floating particles.

PACKAGING

HYDRO-WET is normally packaged in plastic pails containing 5 U.S. gal of product. Net weight for warm-climate formula is 42 lb per pail, while cold-climate formula weighs 40 lb net per pail.

HYDRO-WET is a Messina trademark