



TECHNICAL DATA SHEET
April 1, 2011

DSC GOLD SURF II Displacement Additive

Outstanding Characteristics:

Ideal for removing residual oil and synthetic mud during displacement process

Description:

DSC Gold Surf II is a blend of ionic and non-ionic surfactants and environmentally safe solvent. **DSC Gold Surf II** is designed to remove residual oil and solid particles by lowering surface and interfacial tensions so that the casing surface will be water wet during the displacement process of oil base and synthetic oil based mud .

Application:

DSC Gold Surf II surfactants have the ability to diffuse the surface of liquids, adsorb to the surface and subsequently lower the surface and interfacial tension of oil base and synthetic oil base drilling fluid films, which are formed on tubular surfaces. **DSC Gold Surf II** is also dispersible (in a range of 3-5%) with high-density brines; therefore it can be used in balance displacement of oil/ synthetic mud. The solvent with a wetting agent in **DSC Gold Surf II** renders casing surface 100% water wet during displacement of oil based and synthetic oil based mud. The normal range of usage in brines is 3-5 % but adding more **DSC Gold Surf II** past the CMC can not only destroy the effectiveness of the **DSC Gold Surf II**, but also significantly increase the cost of the displacement. In combination with **Gold Flush II**, it can remove all the organic and inorganic debris from a well during displacement of a synthetic mud

For a specific **DSC Gold Surf** recommendation, technical and application information is available to help provide the recommended amount of **DSC Gold Surf** for your downhole cleaning needs. Please call a **DSC Customer Service Representative** at **1-800-737-3546**.

Shipping And Handling Instructions:

DSC Gold Surf II is shipped in 55 gallon drums, 350 gallon and 550 gallon stainless steel tote tanks. A Material Safety Data Sheet outlining recommended safe handling of **DSC Gold Surf** is available upon request.