

Technical Data Sheet

DSC GOLD SURF 11-W **Environmentally Safe Displacement Additive**

Outstanding Characteristics:

Ideal for lowering surface and interfacial tensions
U.K. OCNS Category E

Description:

DSC Gold Surf 11-W is a concentrated non-ionic surfactant. **DSC Gold Surf 11-W** is designed to lower surface and interfacial tensions so that **DSC Gold Flush II or SB** can penetrate the synthetic oil or oil base drilling fluid wall cake and residue, thereby allowing them to be circulated out and completely removed from the wellbore during the displacement process.

Application:

DSC Gold Surf 11-W has the ability to diffuse the surface of a liquid, adsorb on the surface and subsequently lower the surface tension of the solution of the oil base and synthetic oil base drilling fluid. **DSC Gold Surf 11-W** works by orientating its non-polar head and tail groups at the liquid/liquid interface. When present in sufficient quantities, **DSC Gold Surf 11-W** molecules aggregate to form clusters or "micelles" which prevent further change in the surface tension of the oil base and synthetic drilling fluid wall cake and residue. The concentration of the **DSC Gold Surf 11-W** present when micelle formation occurs is characteristic of the critical micelle concentration or "CMC" of the solution.

For a specific **DSC Gold Surf 11-W** recommendation, technical and application information is available to help provide the recommended amount of **DSC Gold Surf 11-W** for your downhole cleaning needs. Please call a **DSC Customer Service Representative** at **1-800-737-3546**.

Shipping And Handling Instructions:

DSC Gold Surf 11-W 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 11-W** is available upon request.