



Just The Right Chemistry

TECHNICAL DATA SHEET

DSC GOLD FLUSH CM **Cementing Additive and Cake Removal Agent**

Outstanding Characteristics:

Maximum strength eco-friendly formulation for complete removal of oil base and synthetic oil based drilling mud fluid cake and wellbore cementing aid.

Description:

DSC Gold Flush CM is an innovative, environmentally friendly concentrated downhole cleaning agent. **DSC Gold Flush CM** is a fast, effective, non-toxic and non-corrosive solvent especially designed for use in horizontal and vertical wellbore cementing. **DSC Gold Flush CM** contains several demulsifying agents and silt suspending agents especially integrated into the spacer system to quickly remove all wall cake prior to cementing.

Application:

For Strong effective downhole filter cake removal, thereby allowing the cement to bond with the formation surface and the elimination of further cement squeeze work. The recommended amounts of **DSC Gold Flush CM** will vary from each wellbore. These are some of the factors that have a significant affect upon the cleaning process (and tend to accelerate cleaning when using **DSC Gold Flush CM**): downhole temperature (heat), aggressive chemicals (**DSC Gold Flush CM**), contact time and mechanical cleaning (annular velocity and agitation). For the highest level of critical cleaning only neat solutions should be used for cleaning to avoid any potential for cross contamination and solvent saturation.

DSC Gold Flush is especially formulated to penetrate, dissolve and remove oil based and synthetic oil based drilling fluid, wall cake and whole mud residue prior to cementing. **DSC Gold Flush CM** is designed to synergistically work in conjunction with **DSC Gold Surf C** and DSC Gold Vis.

For a specific **DSC Gold Flush CM** recommendation, technical and application information is available to help provide the best **DSC Gold Flush CM** eco-friendly solvent for your downhole cleaning needs. Please call a Customer Service Representative at 1-800-737-3546.

Shipping and Handling Instructions:

DSC Gold Flush C 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 Flush CM** is available upon request.



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DSC GOLD VIS Cement Spacer Additive

Outstanding Characteristics:

Ideal viscosity agent for cement spacer systems.

Description:

DSC Gold Vis is a highly effective special Propriety polymer for use in thickening **DSC Gold Flush CM** for density control during the cementing operation.

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

Shipping and Handling Instructions:

DSC Gold Vis is shipped in 5 gallon, 55 gallon drums, 350 gallon and 550 gallon stainless steel tote tanks. A Material Safety Data Sheet outlining recommended safe handling of **DSC Gold Vis** is available upon request.



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DSC GOLD SURF C Cementing Additive

Outstanding Characteristics:

Ideal for lowering surface and interfacial tensions.

Description:

DSC Gold Surf C is a concentrated blend of non-ionic surfactants and special alcohol's. **DSC Gold Surf C** is designed to lower surface and interfacial tensions so that **DSC Gold Flush CM** 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 prior to cementing. This prepares the wellbore for long lasting adhesion to the cement.

Application:

The unique ability of **DSC Gold Surf C** to diffuse the surface of a liquid, absorb to the surface and subsequently lower the surface tension of the solution of the oil base and synthetic oil base drilling fluid. **DSC Gold Surf C** works by orientating its polar and apolar head and tail groups at the liquid/liquid interface. When present in sufficient quantities, **DSC Gold Surf C** molecules aggregate to form clusters or "micelles" which prevent further change in the surface tension of the oil base and synthetic oil base drilling fluid wall cake and residue. The concentration of the **DSC Gold Surf C** present when micelle formation occurs is characteristic of the critical micelle concentration or "CMC" of the solution. Adding more **DSC Gold Surf C** past the CMC can not only destroy the effectiveness of the DSC Gold Surf C, but also significantly increase the cost of the cement spacer system. **DSC Gold Surf C** is appropriate for a wide variety of cement spacer types. For a specific **DSC Gold Surf C** recommendation, technical and application information is available to help provide the recommended amount of **DSC Gold Surf C** for your downhole cleaning needs. Please call a DSC Customer Service Representative at 1-800-737-3546.

Shipping and Handling Instructions:

DSC Gold Surf C 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 C** is available upon request.