DEEP SOUTH CHEMICAL, INC.

Just The Right Chemistry

**TECHNICAL DATA SHEET**
**March 1, 2003**

# DSC BaSOL
# Barium Sulfate Dissolver

***Description:***

The removal of Barium Sulfate scale by chemical means has in the past met with only very limited success despite the numerous chemicals tried. At the present time it is taken for granted that no chemical claiming to have such "powers" is naturally regarded with a great deal of skepticism. **DSC BaSOL** removes scale by a process of chelation. Powerful chelating agents and surfactants are selected for this formulation to remove scale in different environments. There are many parameters which affect the rate of dissolution of a solid. An attempt has been made to list each of these parameters and then systematically addresses each one in order to quantify the relative affect and help design an optimum treatment regime for chemical removal of scale in the field. The following parameters play a predominant role in scale removal:

**(a) MINERALOGY**

**(b) TEMPERATURE**

**(c) CONCENTRATION**

**(d) STOICHIOMETRY**

**(e) AGITATION**

**(f) CONTACT TIME**

---

***Application:***

**DSC BaSOL** has been designed to give optimum pH conditions for dissolution of Barium Sulfate scale. **DSC BaSOL** has a strong buffering action but if it is anticipated that contact with fluids will significantly alter the alkalinity of the chemical the treatment can be designed to minimize any possible deleterious effect on the efficiency of scale dissolution. **DSC BaSOL** can be diluted to suit the application. At dilution ratio of 1:1 with water, **DSC BaSOL** can dissolve scale in a range of 22-30 g./l. The physical state of scale plays a predominant role in dissolution rate.

---

***Shipping & handling instructions:***

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

P.O. Box 80657 * Lafayette, LA 70598-0657 * Phone (337) 837-9931 * Fax (337) 837-9565