

# Greenbase™ Acid Gelling Agent



Drilling Specialties' **Greenbase™ Acid Gelling Agent** is a suspension of a high-viscosity synthetic polymer that is useful in thickening hydrochloric acid, brines or fresh water. The carrier fluid for the polymer is a proprietary glycol ether-based system. It shares the excellent high-temperature stability found in the DSGA® Polymer, yet provides greater efficiency by yielding more viscosity with each pound of polymer.

## **Greenbase™ Suspension Technology**

For many areas of operation, like marine environments, where government regulations or specific environmental factors preclude the use of mineral oil components, this new product utilizing our Greenbase™ Suspension Technology is an ideal fit. Extensive component testing has been performed according to Oslo and Paris Commissions' (OSPARCOM) approved protocols and the results are published in the Harmonized Offshore Chemical Notification Format (HOCNF). Testing of the Greenbase system has also been performed according to the United States' Environmental Protection Agency (EPA) Methods 1664, Revision A, and 9071B for determination of oil and grease and non-polar material (NPM) in EPA's wastewater program (40 CFR part 136) and hazardous waste program (40 CFR part 260), commonly referred to as the "Oil and Grease Test". Information about the HOCNF and the Oil & Grease Test results are available upon request from your nearest Drilling Specialties representative.

## **Advantages**

- Fast hydrating viscosity when mixed into acid or water
- Reduces nuisance dusting problems at mixing sites
- Enhances field handling & metering of additive
- Reduces "fish-eyes" when mixed
- Reduces product losses from broken or partially used sacks

## **Suspension Properties**

- White colored liquid
- Density = 8.9 lb/gal
- Activity = 3.0 lb/gal

## **Applications**

- Acid viscosifier, for reducing fluid loss, extending acid spending time, and improving stimulation results by increasing live acid penetration
- Friction reducer for acids and brines
- Thickener for fresh water or brines in workover or completions operations
- Thickener or aqueous lubricant for use in pipeline, fiber optics and related drilling and placement

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Drilling Specialties Company does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.