EA-2525 rheological additive

EA-2525 rheological additive is a unique 100% active, powdered, heat activated rheological additive designed to develop a high level of thixotropy in organic fluids.

Applications

Viscosifying drilling fluids including:
- All-oil muds
- Invert emulsion muds

Based on:
- Diesel oil
- Crude oil
- Mineral oil

Attributes

- heat activated
- provides viscosity control, thixotropy and aggregate suspension
- tolerates high processing and use temperatures
- is a cost effective 100% N.V. powder
- functional in many different solvents

incorporation via medium to high shear pumps and dispersion equipment is sufficient for thixotropic development

Typical Properties

Composition: 100% organic polymer
Color: cream
Form: finely divided powder
Specific gravity: 1.0 g/cm³

Incorporation

EA-2525 thixotropic rheological additive allows for easy incorporation, and is not adversely affected by high processing temperatures, rapid cooling or extended processing times.

For full activation EA-2525 should be introduced to the base fluid at the beginning of the incorporation procedure to guarantee sufficient wetting and dwell time. During processing by medium to high shear equipment, the temperature should increase to between 40°C - 60°C (104°F - 144°F) — that processing temperature range, normally developed by medium to high shear equipment, will be sufficient to fully build EA-2525’s rheology. Alternatively, the EA-2525 can be added directly to the base fluid, where down hole temperatures will activate the product on demand.

Levels of Use

Typical levels of use for effective thixotropic development range from 0.5% to 2.0% of total system weight. A loading ladder is suggested to determine the optimum loading level for any given system.

Health and Safety Data

Before using this product, please consult our Health and Safety Data Sheet for information on safe handling.

Note: The statements made herein are based on our research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made, however, and the products discussed are sold without warranty, expressed or implied, including warranty of merchantability and fitness for use of this material, and upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes. The user assumes all risk of use or handling, whether or not in accordance with any statements of the supplier. Supplier’s liability, if any, for any action arising out of the material being supplied shall be limited to replacement of material. Statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent.