**Ecogreen S**

Ecogreen* S aliphatic ester is a multi-functional additive that serves as the secondary emulsifier for the Ecogreen ester-base system.

It should always be used with Ecogreen P agent, the primary emulsifier, when preparing new muds. Ecogreen S additive will also control fluid loss and perform as a wetting agent in the system. The two emulsifiers will provide a strong, high-voltage emulsion with high-temperature stability.

**Typical Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical appearance</td>
<td>Brown, viscous liquid</td>
</tr>
<tr>
<td>Flash point</td>
<td>320°F (160°C) (PMCC)</td>
</tr>
</tbody>
</table>

**Applications**

Ecogreen S emulsifier is an integral segment of the Ecogreen system, forming a strong brine-in-ester emulsion. In newly prepared fluids, it should always be added with Ecogreen P primary emulsifier as a secondary emulsifier.

Treatment levels will depend on fluid properties, but in general Ecogreen S emulsifier additions should range from 1 to 4 lb/bbl (2.8 to 11.4 kg/m³).

Ecogreen S additive will also assist in providing solids wetting and high-temperature fluid-loss control.

**Advantages**

- Strong emulsifier to provide optimum, high-voltage, stable emulsion
- Wetting agent in the Ecogreen system
- High-temperature fluid-loss control agent, containing no hydrocarbon solvent
- Aids in controlling rheological properties

**Toxicity and Handling**

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions as described on the Material Safety Data Sheet (MSDS).

**Packaging and Storage**

Ecogreen S emulsifier is packaged in 55-gal (208-L) drums.

Store in cool, dry ventilated location away from sources of heat or ignition.