EMUL HT* emulsifier is a highly concentrated primary emulsifier amide derivative stabilizer for VERSADRIL* and VERSACLEAN* systems.

EMUL HT additive is effective over a wide range of oil/water ratios and densities. It is designed to furnish a high level of emulsion stability, and can be used up to temperatures of 390°F (200°C). EMUL HT emulsifier will provide secondary wetting.

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical appearance</td>
<td>Dark liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Hydrocarbon</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.93 to 0.99</td>
</tr>
<tr>
<td>Flash point</td>
<td>167°F (75°C) (PMCC)</td>
</tr>
</tbody>
</table>

Applications

As a primary emulsifier, EMUL HT additive will create a strong brine-in-oil emulsion. It should be used in the range of 4 to 8 lb/bbl (11.4 to 22.8 kg/m³) for initial formulations.

It is especially applicable for high-temperature situations.

As a stabilizing agent, suggested treating levels are 0.5 to 4 lb/bbl (1.4 to 11.4 kg/m³) are normally sufficient.

Higher EMUL HT additive concentrations are recommended for increased temperature ranges.

Advantages

• An effective, concentrated emulsifier
• Provides temperature stability
• Performs as supplementary wetting agent
• Stabilized emulsion reduces fluid loss

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).

Avoid direct contact with the product.

Packaging and Storage

EMUL HT emulsifier is packaged in 5-gal (18.9-L) cans and 55-gal (208-L) drums.

Store in a well ventilated, dry location away from sources of heat, ignition and sunlight.