PETROSWEET HSO3507 Hydrogen Sulfide Scavenger

Provides \( \text{H}_2\text{S} \) scavenging in dry oil and mixed production systems

**Application**

The PETROSWEET™ HSO3507 hydrogen sulfide (\( \text{H}_2\text{S} \)) scavenger provides \( \text{H}_2\text{S} \) scavenging in dry oil and mixed production systems. The product is effective in mixed production systems that are difficult to treat, systems with low- or high-system temperatures, and systems with a high percentage of water. It is especially designed for short system residence time applications.

The PETROSWEET HSO3507 scavenger’s performance is not significantly impacted in systems ranging from high produced water to 100% oil. This \( \text{H}_2\text{S} \) scavenger will react much faster than traditional oil-soluble \( \text{H}_2\text{S} \) scavengers because of the presence of an organic acid salt synergist. The faster reaction kinetics makes it a superior \( \text{H}_2\text{S} \) scavenger.

PETROSWEET HSO3507 \( \text{H}_2\text{S} \) scavenger will treat over a broad range of temperatures, ranging from 68°F (20°C) to more than 437°F (225°C). This product will not typically cause emulsions or scaling to occur.

In systems with a high water cut, care should be taken to provide adequate mixing of

<table>
<thead>
<tr>
<th>Typical properties</th>
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<tbody>
<tr>
<td>Specific gravity at 60°F (16°C)</td>
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<tr>
<td>Typical density at 60°F (16°C)</td>
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<tr>
<td>Flash point</td>
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<tr>
<td>Pour point</td>
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<tr>
<td>pH, 5% (w/w) in 75%/25% (v/v) IPA/Water</td>
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<tr>
<td>Viscosity, ASTM D-455</td>
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<tr>
<td>at 60°F (16°C)</td>
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<tr>
<td>at 30°F (-1°C)</td>
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<td>at 0°F (-18°C)</td>
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**Features and benefits**

**Fast acting**
- Performs better in systems with limited contact time

**Maintains scavenging efficacy at low system temperatures**
- Works well in varying conditions

**Excellent performance from 100% brine to 100% oil**
- Sweetens effectively with changing requirements

**Excellent for high temperature**
- Works efficiently to at least 437°F (225°C)

**Low pour point**
- Excellent choice for cold weather conditions

**Materials compatibility**

**Suitable:**
- Metals: 304 stainless steel, 316 stainless steel, admiralty brass, aluminum, copper, mild steel
- Plastics: HD polyethylene, HD polypropylene, linear polyethylene, PVC (POM), polytetrafluoroethylene (PTFE), DELRIN®, TEFLON®
- Elastomers: Buna N, HYPALON®, neoprene, VITON®

**Not suitable:**
- Elastomers: EPDM

**Materials suitability is based on analysis of test results obtained under specified laboratory conditions. All materials selection should be based on actual application. Testing results for materials will be made available on request.**

**Safety and handling**

Before handling, storage or use, review the Safety Data Sheet (SDS) for guidance.