OXAL HS

H₂S Scavenger

**Product Description**

OXAL HS is a glyoxal based hydrogen sulfide (H₂S) scavenger. It displays a continuous H₂S scavenging activity over a longer time period. OXAL HS also exhibits good temperature stability up to 300°F (150°C) and is intended for use in low pH conditions.

**Typical Physical Properties**

<table>
<thead>
<tr>
<th>Physical property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical appearance</td>
<td>Colorless to yellow</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.27</td>
</tr>
<tr>
<td>pH</td>
<td>2.5</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Soluble</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;212°F (&gt;100°C)</td>
</tr>
</tbody>
</table>

**Application**

Efficient solution for hydrogen sulfide (H₂S) scavenging applications

- Can be applied in neutral, acidic, and alkaline conditions (pH environment)
- Very good temperature stability; there is no decomposition until temperatures exceed 300°F (150°C)
- Dose rate should be optimized based on an effective monitoring program; however typical dose rates in the range 8 - 25 ppm based on total fluids. Batch treatments should be repeated at frequent intervals to maintain adequate protection.

**Advantages**

- Displays a continuous scavenging activity over longer time periods in comparison to triazine.
- No precipitation products from the sulfide OXAL HS reaction were observed during testing under the experimental conditions.
- OXAL HS when diluted in water (pH below neutral) does not produce an increased quantity of formaldehyde as a byproduct.

**Packaging and Storage**

OXAL HS is packaged in 5-gal (18.9-L) cans and 55-gal (208-L) drums. Store in a dry location away from sources of heat or ignition, and minimize dust.

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Important Note: These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and method of use of our product are beyond our control. We recommend that the prospective user determine the suitability of our material and suggestions before adopting them on a commercial scale.