Minimize Metal-to-Metal Contact

Friction modifiers are a general class of polar molecules that are particularly effective at minimizing metal-to-metal contact in boundary lubrication conditions, which are more likely to exist where lower viscosity lubricants are used. ABITEC Corporation has many years of experience developing and manufacturing friction modifiers for a variety of industries and applications. We are well known for our expertise producing a variety of glycerol esters, ethoxylates and amides, all of which can be effective as friction modifiers in automotive and industrial machinery. For example, our Caplube® GMO-50 is glycerol-monooleate that is particularly well suited for lubricant applications because of its high alpha-mono (l-mono) content and low acid value. Whether used alone or in combination with organo-metallic friction modifiers such as molybdenum, GMO can be an effective tool for lubricant formulators looking to reduce friction and control wear in automotive and industrial applications.

Product Specifications

<table>
<thead>
<tr>
<th>Friction Modifier</th>
<th>Chemical Name</th>
<th>Form @ 25°C</th>
<th>HLB</th>
<th>Acid Value</th>
<th>Iodine Value</th>
<th>α-Mono-glycerides</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caplube® GMO-50</td>
<td>Glyceryl monooleate</td>
<td>Semi-solid</td>
<td>2.6</td>
<td>2 max</td>
<td>95 max</td>
<td>&gt;50% (as oleate)</td>
</tr>
</tbody>
</table>

Have Questions?

Need a sample of one or more of our products? Please contact us.
JOHN ZARROLI, Business Development Manager, Specialties
Phone: (614) 307-0215, E-mail: JZarroli@abiteccorp.com

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