As a leading global supplier of high-performance synthetic lubricant base stocks as well as components for metalworking fluids, we are committed to supply the lubricant market with expertise and best-in-class solutions. As a strong and established partner for the lubricant industry, we continuously develop products to meet our customers’ requirements.

Our broad product range of polyalkylene glycol (PAG) and ester base stocks is used in a wide variety of lubricant applications, enabling high performance and unique properties. Demand for improved fuel economy, extended equipment lifetime and solutions supporting sustainable development create the need for continuously improved lubricant performance.

BASF’s lubricant base stocks and components for metalworking fluids have a very extensive performance range. Combined with our global production footprint, strong R&D competence and application expertise, BASF is the strong partner to meet, both, your current and future performance requirements – taking you where you want to go.

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www.basf.com/fuel-lubricant-solutions
**CHEMICAL AND PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>0.85-0.95</td>
</tr>
<tr>
<td>Viscosity</td>
<td>1.5-8.5 mm²/s</td>
</tr>
<tr>
<td>Flash Point</td>
<td>180-230 °C</td>
</tr>
<tr>
<td>Pour Point</td>
<td>-25-30 °C</td>
</tr>
</tbody>
</table>

**FEATURES AND BENEFITS**

**Mono / Methyl Esters**
- Suitable for use in VGP, OSPAR or Ecolabel compliant lubricants
- Biodegradable, renewable and low toxic
- Good thermal, oxidative and hydrolytic stability
- Good low-temperature performance
- Excellent solvency
- Superior lubrication performance

**Unsaturated Complex / Polyol Esters**
- Products for use in MIL-PRF-23699 and MIL-PRF-7808 turbine lubricants
- Biodegradability
- Good low-temperature properties
- Excellent oxidative and thermal stability
- Low volatility and high flash point
- Outstanding low-temperature performance
- Superior friction characteristics

**Diesters**
- Good thermal and oxidative stability
- Good lubricity properties and hydrolytic stability
- Exceptional low pour point
- Low viscosity esters with good solvency

**Saturated Complex / Polyol Esters**
- Products for use in MIL-PRF-23827 synthetic greases
- Biodegradability
- Excellent oxidative and thermal stability
- Low volatility and high flash point
- Outstanding low-temperature performance
- Superior friction characteristics

**Unbanded Complex / Polyol Esters**
- Key Performance Benefits - Unsaturated Complex / Polyol Esters range
- Suitable for use in VGP, OSPAR or Ecolabel compliant lubricants
- Biodegradability
- Excellent low-temperature performance
- Outstanding oxidative and thermal stability
- Low volatility and high flash point
- Excellent low-temperature performance
- Superior friction characteristics

**Features & Benefits**
- Suitable for use in VGP, OSPAR or Ecolabel compliant lubricants