Technical data sheet

FAGUS GS 95R
Saturated Synthetic Ester

Chemical Name: Glycerides, mixed C8-10 and succinyl acids

CAS: 97708-73-1/91744-56-8
EINECS: 294-620-0

FAGUS GS 95R is a high-performance, fully biodegradable lubricant obtained by chemical synthesis from 100% renewable vegetable raw materials.

FAGUS GS 95R is an adaptable oil specifically conceived and developed for special coating/treatment/forming of aluminum and its alloys.

PHYSICAL and TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TYPICAL VALUE</th>
<th>UNIT of MEASUREMENT</th>
<th>METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
<td>NN</td>
<td>MD 0</td>
</tr>
<tr>
<td>Density at 15°C</td>
<td>1.01</td>
<td>Kg/Lt</td>
<td>MD 42 A</td>
</tr>
<tr>
<td>Colour</td>
<td>&lt; 200</td>
<td>APHA</td>
<td>MD 31</td>
</tr>
<tr>
<td>TAN (total acid number)</td>
<td>&lt; 2</td>
<td>mgKOH/g</td>
<td>ASTM D 974</td>
</tr>
<tr>
<td>Iodine number</td>
<td>&lt; 1</td>
<td>g I₂ / 100g</td>
<td>NGD C 32</td>
</tr>
<tr>
<td>Saponification Value</td>
<td>400 - 440</td>
<td>mgKOH/g</td>
<td>NGD C 33</td>
</tr>
<tr>
<td>Viscosity a 40°C</td>
<td>78</td>
<td>cSt</td>
<td>ASTM D 445</td>
</tr>
<tr>
<td>Viscosity a 100°C</td>
<td>11.2</td>
<td>cSt</td>
<td>ASTM D 445</td>
</tr>
<tr>
<td>I.V. (Viscosity Index)</td>
<td>133</td>
<td>NN</td>
<td>ASTM D 2270</td>
</tr>
<tr>
<td>Pour Point</td>
<td>&lt; -30</td>
<td>°C</td>
<td>ASTM D 97</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 200</td>
<td>°C</td>
<td>ASTM D 92</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.457</td>
<td>NN</td>
<td>MD 2</td>
</tr>
<tr>
<td>Biodegradability</td>
<td>Readily Biodegr.</td>
<td>81.7% (28 Days)</td>
<td>OECD 301 B</td>
</tr>
</tbody>
</table>

The above reported physical and chemical specifications have been measured inside DOMUS CHEMICALS’ laboratories; therefore they do not represent any legal guarantee about the properties of the marketed product. We recommend referring to the Certificate of Analysis of each specific batch.
FAGUS GS 95R is a neat and versatile metal forming lubricant (stamping, deep-drawing bending, embossing), mainly destined for processing aluminum and its alloys.

FAGUS GS 95R is manufactured especially to be used in the production of aluminum foil for food applications in order to protect the foil surface from winding/unwinding operations.

Advantages:
• Easy application by spraying or direct dipping
• Environmentally and human friendly
• Liquid at room temperature
• Multifunctional use (coating, pre-lube, releasing agent, forming, stamping and deep drawing)
• Excellent mechanical and thermal stability
• Film forming with very good adherence to metal surface
• Protection of strips and foil from abrasion and scratching
• Uniform distribution on the surface and low consumption

PACKAGING STORAGE & SHELF LIFE

IBC 900kg, Steel Drum 180kg

FAGUS GS 95R must be stocked properly inside the original packaging and/or container, in a dry place, well-sealed and far from any heat source.

FAGUS GS 95R if stoked properly, maintain the original characteristics for at least 2 years.

FAGUS GS 95R can be easily pumped from tanks, even at low temperatures.

APPROVALS

It meets ISO 14001 and ISO 18001 standards.

Approved as NSF 3H & NSF-H1 lubricants, has the HALAL and KOSHER certifications.
Technical data sheet

FAGUS GS 95R
Saturated Synthetic Ester

HEALTH & SAFETY

Please refer to the material safety data sheets available for each product for more information.

NOTE

The information submitted in this publication is based on our current knowledge and experience. In light of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.