Mobil Antifreeze Ultra

Properties

Mobil Antifreeze Ultra contains Glysantin® G40® by BASF and fulfills the requirements of the following coolant standards:

- AS 2108-2004
- ASTM D 3306
- ASTM D 4985
- SAE J1034
- ÖNORM V 5123
- CUNA NC 956-16
- JIS K 2234:2006
- SANS 1251:2005
- China GB 29743-2013
- BS 6580:2010

Mobil Antifreeze Ultra contains Glysantin® G40® by BASF and is officially approved by the following OEMs:

- VW / Audi / Seat / Skoda / TL 774-G
- Lamborghini / Bentley / Bugatti
- MAN 324 Type Si-OAT
- Lamborghini / Bentley / Bugatti
- Porsche (vehicles as from 2010) 911, Boxster, Cayman, Cayenne, Panamera
- Daimler / Mercedes-Benz MB-Approval 325.5 and 325.6
- MAN
- Cummins
- MAN 324 Type Si-OAT CES 14603
- MTU
- MTL 5048
- Liebherr Minimum LH-01-COL3A

Miscibility

Since the special advantages of Mobil Antifreeze Ultra will only be achieved when it is used exclusively, mixing Mobil Antifreeze Ultra with other Glysantin coolants or products of other producers is not recommended.

Mobil Antifreeze Ultra should be blended with water in a concentration amongst 33% to 60% by volume prior to inflating. The usage of a 50/50 ratio for the mixture of water and Glysantin is generally advisable.

For preparation of the coolant it is recommended to use distilled or deionized water. In most cases tap water is also appropriate.

Analysis values of the water may not exceed the following threshold values:

- Water hardness: 0 – 3.6 mmol/l
- Chloride content: max. 100 ppm
- Sulfate content: max. 100 ppm
Mobil Antifreeze Ultra

Chemical nature
Ethylene glycol with corrosion inhibitors

Appearance
Clear liquid without solid contaminants

Physical data
- **Density at 20 °C**: 1.123 – 1.126 g/cm³ (DIN 51 757-4)
- **Boiling point**: min 160 °C (ASTM D 112)
- **Flash point**: min 120 °C (DIN ISO 2592)
- **pH value**: 8.2 – 8.6 (ASTM D 1287)
- **Reserve alkalinity**: 8.0 – 11.0 ml (ASTM D 1121)
- **Water content**: max 3.0 % (DIN 51 777-1)

Frost Protection
- **Freezing point**: below -37 °C (ASTM D 1177)
- **33 vol % solution**: below -18 °C

Foaming Characteristics
- **33 vol% solution**: max 20 ml / 5 ml (VW TL 774-G)
- **33 vol% solution**: max 50 ml / 3 s (ASTM D 1881)

Glassware Corrosion Test

<table>
<thead>
<tr>
<th>Material</th>
<th>Typical weight loss (g/m²)</th>
<th>VW TL 774-G limit (g/m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>0.1</td>
<td>3 max</td>
</tr>
<tr>
<td>Solder</td>
<td>0.1</td>
<td>3 max</td>
</tr>
<tr>
<td>Brass</td>
<td>-0.4</td>
<td>3 max</td>
</tr>
<tr>
<td>Steel</td>
<td>-0.1</td>
<td>3 max</td>
</tr>
<tr>
<td>Cast iron</td>
<td>-0.1</td>
<td>3 max</td>
</tr>
<tr>
<td>GAlSi6Cu4</td>
<td>-0.5</td>
<td>2 max</td>
</tr>
<tr>
<td>AlSi12</td>
<td>-0.9</td>
<td>2 max</td>
</tr>
<tr>
<td>AlMn</td>
<td>-0.4</td>
<td>2 max</td>
</tr>
<tr>
<td>GAlSi10Mg</td>
<td>-0.7</td>
<td>2 max</td>
</tr>
</tbody>
</table>

Chip/filter paper method

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Typical rating</th>
<th>Rating VW TL 774-G limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 vol% solution</td>
<td>4</td>
<td>4 max</td>
</tr>
<tr>
<td>40 vol% solution</td>
<td>2</td>
<td>2 max</td>
</tr>
</tbody>
</table>

Quality Control
The above data represent average values at the time of going to press of this technical information. They cannot be regarded as specified data. Specified product data is issued as a separate product specification.

Packaging
Mobil Antifreeze Ultra is available in 1L, 5L, 20L, 208L and 1000L.

Storage Stability
Mobil Antifreeze Ultra has a shelf life of up to five years when stored in originally closed, air-tight containers at temperatures of maximum 30°C. Do not use galvanized containers for storage.

Colour
Mobil Antifreeze Ultra is Clear Violet Liquid.