1,2-Pentanediol

Properties

1,2-Pentanediol is a colourless liquid of low viscosity. It is completely miscible with water.

Specification

<table>
<thead>
<tr>
<th>Analysis</th>
<th>Specification</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Pentanediol</td>
<td>min. 98 %</td>
<td>GC</td>
</tr>
<tr>
<td>Water</td>
<td>max. 2.0 %</td>
<td>Karl-Fischer</td>
</tr>
</tbody>
</table>

Physical / Chemical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density 20 °C</td>
<td>0,97 g/cm³</td>
</tr>
<tr>
<td>Viscosity 20 °C</td>
<td>68 mPa*s</td>
</tr>
<tr>
<td>pH</td>
<td>appr. 5</td>
</tr>
<tr>
<td>Boiling point</td>
<td>206 °C</td>
</tr>
<tr>
<td>Melting Point</td>
<td>appr. -30°C</td>
</tr>
</tbody>
</table>

Safety data and information relating to environmental aspects can be found in the safety data sheet, which is available on request from the address below.
1,2-Pentanediol

Storage and Handling
In the original sealed containers the product can be stored for at least two years. Protect from direct sunlight, moisture and heat. Store in a well ventilated place.

Shelf Life
At least 2 years in original sealed containers.

Packaging
Drums of 200 kg

Labeling
Classification and labeling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.

Hazard symbol or symbols:
Irritant

Risk phrases: R41- Risk of serious damage to eyes.
Safety phrases: S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39- Wear eye/face protection.

Legal Situation
INCI: Pentylene Glycol
CAS No.: 5343-92-0
EINECS No.: 226-285-3
1,2-Pentanediol

Advantages

Multifunctional Ingredient

• Completely water miscible
• Low melting point

Application

All applications where one of its functions is desired

Date of Issue

Version 3, June 2008