Technical Data Sheet

1,8-Octanediol

Product Information

Product Name: 1,8-Octanediol  
Synonyms: ODO; Octanediol; Octane-1,8-diol  
CAS No.: 629-41-4  
EINECS No.: 211-090-8  
Molecular formula: C8H18O2  
Molecular weight: 146.23  
Chemical structure:  

\[
\text{HO} \quad \text{C} \quad \text{C} \quad \text{C} \quad \text{C} \quad \text{C} \quad \text{C} \quad \text{OH}
\]

Physical Properties

White crystal flakes or powder. Soluble in ethanol, poorly soluble in water, ether, light gasoline.  
-Density: 0.939g/cm³  
-Melting Point: 57~61 °C  
-Boiling Point: 172 °C at 20 mm Hg  
-Flashing Point: 148 °C  
-Refractive Index: 1.438-1.440

Specification

<table>
<thead>
<tr>
<th>Items</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White Solid</td>
</tr>
<tr>
<td>Assay</td>
<td>≥98.0%</td>
</tr>
<tr>
<td>Acid Number</td>
<td>≤1.0 KOH-mg/g</td>
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<tr>
<td>Koettstorfer Number</td>
<td>≤3.0 KOH-mg/g</td>
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Safety

1,8-Octanediol is a stable material, not dangerous on transportation
Always refer to the Material Safety Data Sheet (MSDS)

Applications

Pharmaceutical, pesticide, spice, and coating intermediates.

Packaging

25kg/bagx720bags=18tons/1x20' FCL
200kg/drumx80drums=16tons/1x20' FCL

Storage & Handling

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Light sensitive.
Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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