Technicure® 54
CAS # 90-72-2

Description:
Technicure 54, 2,4,6-Tris(dimethylaminomethyl)phenol, is commonly used as a cure accelerator in epoxy resin based formulations. Typical loading level as an accelerator is about 0.5 to 8 phr in a standard DGEBA type liquid epoxy resin (EEW=190) based formulation.

Advantages:
- Low viscosity
- Very good accelerator for polyamides, amidoamines, anhydrides and polycarboxylic acids
- Accelerates thin film set time
- Accelerates cure under damp and cold conditions
- Provides good adhesion to concrete

Typical Applications:
- Two-component adhesives
- Concrete primers
- Coatings
- Composites such as filament winding
- Electrical potting and encapsulation

Handling Precautions:
Refer to the product Safety Data Sheet

Typical Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Yellow to brown transparent liquid</td>
</tr>
<tr>
<td>Viscosity (@25°C)</td>
<td>80-250 cPs</td>
</tr>
<tr>
<td>Gardner color</td>
<td>6 max.</td>
</tr>
<tr>
<td>Amine Value</td>
<td>600-630 mgKOH/gm</td>
</tr>
<tr>
<td>Purity</td>
<td>96% minimum</td>
</tr>
<tr>
<td>Loss on drying</td>
<td>0.5% maximum</td>
</tr>
</tbody>
</table>

Recommended use level with Epoxy resin (EEW=190): 0.5-8 PHR

Storage Stability:
At least 24 months from the date of manufacture in original sealed container at ambient conditions, stored away from excessive heat and humidity.