**DESCRIPTION**
Clearlink® 1080 is an aliphatic diamine chain extender used with aliphatic isocyanates to produce a range of UV light-stable polymers.

**PERFORMANCE**
The additional urea groups formed by reacting Clearlink® 1080 with aliphatic isocyanate groups typically improve the strength and heat resistance of the final polymer. Polyurethanes and polyureas cured with Clearlink® 1080 are light-stable. Clearlink® 1080 offers substantially lower reactivity than other commercially available aliphatic diamines.

**Performance Attributes:**
- Slow reactivity compared with other aliphatic diamines
- Compatible with a wide range of polyols, co-curatives and other polyurethane chemicals
- Low moisture sensitivity
- Low toxicity – Ames negative

**APPLICATIONS**
Clearlink® 1080 is a liquid aliphatic chain extender for light-stable or color-critical aliphatic polyurea spray and hand-applied coatings. It provides considerable latitude for cure-rate control without altering formulation color and it is compatible with a wide range of polyols, co-curatives and other polyurethane and polyurea chemicals.

Clearlink® 1080 extends pot life, allowing time for coatings to flow, adhere and develop smooth finishes. Coatings cured with Clearlink® 1080 are tough and extremely light-stable in harsh environments.

**HOW TO USE**
Typical use levels in sprayed polyurea coatings range from 5% to 10% by weight.

**TYPICAL PROPERTIES**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TYPICAL VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, colorless liquid</td>
</tr>
<tr>
<td>Specific gravity @ 20 °C (68 °F)</td>
<td>0.86</td>
</tr>
<tr>
<td>Flash point, PMCC, °C (°F), IF</td>
<td>104 (219)</td>
</tr>
<tr>
<td>Viscosity @ 40 °C (104°F), cSt</td>
<td>8</td>
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<tr>
<td>Molecular weight</td>
<td>282</td>
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<tr>
<td>Equivalent weight</td>
<td>141</td>
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</tbody>
</table>

**SAFETY AND HANDLING**
Please refer to the current Material Safety Data Sheet for detailed safety, handling and toxicity information.

**TYPICAL SHELF LIFE**
2 years