Technical Data Sheet

**DOWSIL™ 2-5558 Siloxane**

**FEATURES & BENEFITS**
- Can react with isocyanate group to form silicone modified polyurethanes

**COMPOSITION**
- 3-hydroxypropyl terminated dimethyl Siloxane

Carbinol reactive siloxane

**APPLICATIONS**
- This silicone reactive molecule can be included in polyurethane polymers.

**TYPICAL PROPERTIES**
Specification Writers: These values are not intended for use in preparing specifications.

<table>
<thead>
<tr>
<th>Test*</th>
<th>Property</th>
<th>Unit</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTM 1025 AJ</td>
<td>Hydroxyl Number</td>
<td>Mg KOH:g</td>
<td>90–120</td>
</tr>
<tr>
<td>CTM 0176 B</td>
<td>Appearance</td>
<td></td>
<td>Clear transparent liquid</td>
</tr>
<tr>
<td>CTM 0050 DL</td>
<td>Viscosity</td>
<td>mPa s</td>
<td>40–80</td>
</tr>
<tr>
<td></td>
<td>Purity</td>
<td>%</td>
<td>97.5</td>
</tr>
</tbody>
</table>

*CTM: Corporate of Test Method, copies CTM’s are available on request.

**DESCRIPTION**
DOWSIL™ 2-5558 Siloxane is a carbinol ended linear Siloxane. The dual end reactivity of the polymer allows its reaction with isocyanate groups used into the manufacture of polyurethane polymers.

**HOW TO USE**
DOWSIL 2-5558 Siloxane can be used in replacement of part of the organic diol used as the actual reactant in the polyurethane chain extension process.

**HANDLING PRECAUTIONS**

**PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.**

**USABLE LIFE AND STORAGE**
When stored between -20 and 40°C, this product has a usable life of 24 months from the date of production.

**PACKAGING INFORMATION**
This product is available in 195 Kg Drum and 980 Kg IBC.

**LIMITATIONS**
This product is neither tested nor represented as suitable for medical or pharmaceutical uses.
HEALTH AND ENVIRONMENTAL INFORMATION
To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

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