Lupranate® 5410 Isocyanate

Lupranate 5410 Isocyanate is a prepolymer isocyanate made with a blend of monomeric and polymeric MDI. Typical uses are flexible molded foams, elastomers and adhesives.

**TYPICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>amber liquid</td>
</tr>
<tr>
<td>NCO content, wt%</td>
<td>39.7</td>
</tr>
<tr>
<td>Viscosity @ 25°C, cps</td>
<td>70</td>
</tr>
<tr>
<td>Flash point, °C (COC)</td>
<td>&gt; 200</td>
</tr>
<tr>
<td>Density @25°C, g/cm³</td>
<td>1.22</td>
</tr>
<tr>
<td>Initial boiling point, 5mm Hg, °C</td>
<td>200</td>
</tr>
<tr>
<td>Vapor Pressure @25°C, mm Hg</td>
<td>0.00001</td>
</tr>
</tbody>
</table>

**Storage**

Lupranate 5410 Isocyanate is supplied in tank trucks, totes and drums. Once a container has been opened, care should be taken to exclude moisture. The most favorable temperature for storage is 25-35°C. If stored at higher temperatures, or if moisture is not excluded, an undesirable increase in viscosity will occur. Below 15°C, the product becomes difficult to pump and pour. Below 12°C, crystallization may occur. The shelf life of Lupranate 5410 Isocyanate is six months if the temperature is maintained at 25 to 35°C and moisture is excluded.

**Warning**

Excessive heating or prolonged heating at 80-100°C may cause dangerous pressure build-up. Heating by electrical means is not recommended due to the danger of local overheating, which would result in dimer formation. Melting in a water bath is not recommended because of the potential danger of the isocyanate reacting with water in case of drum leakage. Rolling the drum in atmospheric steam is an alternate procedure that can be used provided care is taken to ensure that the drum does not leak.

**In case of chemical emergency:**

Call CHEMTREC 800-424-9300 or BASF (800-832-HELP) day or night for assistance and information concerning spilled material, fire, exposure and other chemical accidents. Outside the U.S., call (703) 527-3887.

**Attention:**

This product is sold solely for use by industrial institutions. Refer to our Material Safety Data Sheet (MSDS) regarding regulatory compliance, safety, hazards, spill procedures and disposal of this product. An MSDS as well as additional information on BASF urethane chemicals may be obtained by telephoning BASF Corporation, Urethane Customer Service at (877) 297-3322 or faxing (734) 324-6866.

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