**PENETRANT D**

Heavy Duty Wetting Agent

Penetrant D is a powerful, nonionic wetting agent and penetrant used to wet out high energy surfaces. Because of its effectiveness at lower temperatures, Penetrant D is excellent in pad or cold-pad de-sizing, bleaching and resin finishing processes.

**Outstanding Attributes**

- Superior Wetting and Penetrating Agent
- Compatible with Most Dyeing and Finishing Auxiliaries
- Mild Detergent and Scouring Properties

**Recommended Applications:**

- Garment Processing

**Compatible Substrates:**

- Wool
- Nylon
- Polyester

**TYPICAL PROPERTIES:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear to Hazy Viscous Liquid</td>
</tr>
<tr>
<td>Solubility</td>
<td>Completely Soluble in Water</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild Fatty Alcohol</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 – 6.8</td>
</tr>
<tr>
<td>Ionic Nature</td>
<td>Nonionic</td>
</tr>
<tr>
<td>Drave’s Wetting</td>
<td>2 – 3 seconds (0.1% solution, 25°C, standard cotton cloth)</td>
</tr>
</tbody>
</table>

**HANDLING PRECAUTIONS:**

Standard Personal Protection Equipment should be used when handling this material including gloves and safety goggles. Avoid contact with skin or eyes and do not ingest. Use with adequate ventilation and avoid prolonged inhalation of the vapors.

**SALES@GRANTCOATINGS.COM**

Disclaimer: Although the information is presented in good faith and believed to be correct, Grant Industries makes no representations or warranties as to the completeness or accuracy of information. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Grant Industries be responsible or liable for any loss of profits, lost goodwill, direct, special, indirect, incidental, or consequential damages of any nature whatsoever, including without limitation lost revenues, resulting from the use of or reliance upon Information or the product to which Information refers. No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to Information or the product to which Information refers.

V06/16