**CHEMICAL DESCRIPTION:**
Oxidized Fischer-Tropsch wax

**BENEFITS:**
- Extremely hard and scratch-resistant wax with a hydrophilic character

**APPLICATIONS:**
- Production of water-based emulsions and dispersions for:
  - Textile industry (improved sewability and cutting of textiles)
  - Care products (hydrophobing, gloss, hardness)
  - Water-based coatings (slip, abrasion and scratch resistance)
  - Water-based printing inks (slip, abrasion and scratch resistance)
  - Paper industry (hydrophobing, tensile strength, stability)
  - Polishes (surface improvement)
  - Leather (surface improvement, hydrophobing)
  - Anti-corrosive agent
- PVC processing
  - Increase viscosity
  - Faster gelling
  - Improved compatibility
  - Perfect external lubricant and internal lubricant in one
  - No metal adhesion
  - Mould release agent
- Hot melts
  - Shortening the open time, increased adhesion, no stringing
  - Reduced amount of bonding agents
- Masterbatch
  - Dispersing agent for hydrophilic pigments

**TECHNICAL DATA:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conegealing point*</td>
<td>95 °C</td>
<td>102 °C</td>
<td>LV 12 (DGF M-III 3)</td>
</tr>
<tr>
<td>Acid value*</td>
<td>5 mgKOH/g</td>
<td>10 mgKOH/g</td>
<td>DIN EN ISO 2114</td>
</tr>
<tr>
<td>Saponification value</td>
<td>10 mgKOH/g</td>
<td>20 mgKOH/g</td>
<td>DIN EN ISO 2114</td>
</tr>
<tr>
<td>Viscosity (140 °C):</td>
<td>20 mPas</td>
<td>LV 2 (DIN EN ISO 3104)</td>
<td></td>
</tr>
<tr>
<td>Penetration</td>
<td>1.0 mm*10⁻²</td>
<td>LV 4 (DIN 51579)</td>
<td></td>
</tr>
<tr>
<td>Density (23 °C):</td>
<td>0.94 g/cm³</td>
<td>0.95 g/cm³</td>
<td>LV 3 (DIN EN ISO 1183)</td>
</tr>
</tbody>
</table>

*Part of certificate of analysis

**ALTERNATIVE DELIVERY FORMS:**
- **DEUREX® TO 8120 M** – Micro-sized powder, 98% < 20 µm

**ALTERNATIVE PRODUCT:**
- **DEUREX® TO 80** – Oxidized Fischer-Tropsch-wax with acid value 2 – 4
- **DEUREX® TO 82** – Oxidized Fischer-Tropsch-wax with acid value 15 – 20
- **DEUREX® TO 83** – Oxidized Fischer-Tropsch-wax with acid value 25 – 30
- **DEUREX® TO 84** – Oxidized Fischer-Tropsch-wax with acid value 30 - 40