Magnasoft 305 textile softener is a linear, amino-functional silicone polymer and an excellent candidate to consider for use as a textile softener. It contains reactive end-groups, allowing for chemical bonding with many surfaces or for molecule weight build-up in the presence of moisture.

Magnasoft 305 textile softener can be easily emulsified to obtain stable micro emulsions that can help provide durable softness to virtually all types of fabrics.

**Key Features and Typical Benefits**
- can help impart excellent softness to most types of fabrics
- good affinity to most fabrics
- enhances the physical properties of fabrics
- low fabric yellowing
- potentially compatible with a wide range of chemicals used for textile finish
- easy to formulate

**Potential Applications**
- textile softener for most types of fabrics

---

**Typical Physical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Translucent, light yellow liquid</td>
</tr>
<tr>
<td>Specific Gravity, 25°C</td>
<td>0.98</td>
</tr>
<tr>
<td>Viscosity, (25°C) mPars (cP)</td>
<td>1,000 (1,000)</td>
</tr>
<tr>
<td>Refractive Index, (nD25)</td>
<td>1.406</td>
</tr>
<tr>
<td>Amino Content, wt%</td>
<td>0.57</td>
</tr>
</tbody>
</table>

*Typical property data values should not be used as specifications. Assistance and specifications are available by contacting Momentive sales office.*

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MAGNASOFT* 305 textile softener

Solubility

<table>
<thead>
<tr>
<th>Soluble</th>
<th>Toluene, Mineral sprits, Methyl ethyl ketone, Isopropanol, Dimethyl silicone fluid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insoluble</td>
<td>Methyl cellosolve, Water, Liquid paraffin</td>
</tr>
</tbody>
</table>

Emulsification Instruction

Sample Formulation(a)

<table>
<thead>
<tr>
<th>15 parts</th>
<th>Magnasoft 305 textile softener</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 parts</td>
<td>TDE-5 (Polyethylene Glycol Tridecyl Ether, 5EO)</td>
</tr>
<tr>
<td>6 parts</td>
<td>Butyl Carbitol</td>
</tr>
<tr>
<td>73.75 parts</td>
<td>Water</td>
</tr>
<tr>
<td>0.2 parts</td>
<td>Acetic Acid</td>
</tr>
<tr>
<td>0.05 parts</td>
<td>Biocide(b)</td>
</tr>
</tbody>
</table>

(a) Product formulations are included as illustrative examples only. Momentive makes no representation or warranty of any kind with respect to such formulations, including, without limitation, concerning the efficacy or safety of any product manufactured using such formulations.

(b) Biocides must be used in accordance with local country regulations and manufacturer's label directions.

Guide Procedure to Emulsify

1) Charge Magnasoft 305 textile softener, TDE-5 and Butyl Carbitol into a mixer. Stir for 15-20 minutes at 700-800rpm.
2) Premix water and acetic acid. Charge the solution slowly into the soft grease. Water/acetic acid charging should take about 40-50 minutes.
3) The change in the appearance of the grease from hazy to clear indicates the conversion into an emulsion. At this stage, water-charging speed should be reduced to ensure that a stable emulsion is formed.
4) Reduce the agitation speed to 500-600rpm after ¾ of the water has been charged to reduce the formation of foam.
5) Mix another 5 minutes at 500-600rpm after all the water has been charged.
6) Add biocide and mix at 400rpm for 10 minutes before drumming.
7) A clear emulsion should be obtained.

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MAGNASTAR* 305 textile softener

Patent Status
Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage
Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at www.momentive.com or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials products may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations
Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Emergency Service

Momentive Performance Materials maintains an around-the-clock emergency service for its products. The American Chemistry Council (CHEMTREC) and CareChem24 International also maintain an around-the-clock emergency service for all chemical products:

<table>
<thead>
<tr>
<th>Location</th>
<th>Momentive Performance Materials Products</th>
<th>All Chemical Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mainland U.S., Puerto Rico</td>
<td>518.233.2500</td>
<td>CHEMTREC: 800.424.9300</td>
</tr>
<tr>
<td>Alaska, Hawaii</td>
<td>518.233.2500</td>
<td>CHEMTREC: 800.424.9300</td>
</tr>
<tr>
<td>Canada</td>
<td>518.233.2500</td>
<td>CHEMTREC: 800.424.9300</td>
</tr>
<tr>
<td>Europe</td>
<td>+518.233.2500 (Albanian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Serbo-Croatian, Slovak, Spanish, Swedish, Turkish, Ukrainian)</td>
<td>+44.0(0)208.762.8322 (UK)</td>
</tr>
<tr>
<td>Middle East, all countries, except Israel</td>
<td>+518.233.2500</td>
<td>+961.3.487.287 (Lebanon)</td>
</tr>
<tr>
<td>Middle East, Israel</td>
<td>+518.233.2500</td>
<td>+44.0(0)208.762.8322 (UK)</td>
</tr>
<tr>
<td>Latin America, Asia/Pacific</td>
<td>+518.233.2500</td>
<td>CHEMTREC: +1-703.527.3887 (collect)</td>
</tr>
<tr>
<td>At sea</td>
<td>Radio U.S. Coast Guard, which can directly contact Momentive Performance Materials at 518.233.2500 or CHEMTREC at 800.424.9300.</td>
<td></td>
</tr>
</tbody>
</table>

DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.

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