

# RESIL C845

## Textile finishing

<b>Description</b>	<b>RESIL C845</b> is a silicone oil with diamine functions, mainly intended for the formulation of textile finishing emulsions.
<b>Applications</b>	The structural characteristics of <b>RESIL C845</b> have been optimised in order to give it outstanding fabric softening capability while minimizing yellowing.
<b>Characteristics</b>	<ul style="list-style-type: none"> <li>• Appearance.....Viscous, clear to slightly cloudy liquid</li> <li>• Color.....Colorless to very pale yellow</li> <li>• Specific gravity.....0.972</li> <li>• Viscosity at 25°C , mm<sup>2</sup>/s,approx .....4500</li> <li>• Refractive index at 25°C .....1.408</li> <li>• Amine content, (ppm/N), approx.....4000</li> </ul> <p>Typical values, not specification properties.</p>
<b>Formulation and process</b>	<p><b>RESIL C845</b> is a base oil that is easily emulsifiable in micro or macro emulsions, intended for fabric softening and lubrication treatment of textiles. Emulsification is easy using an ethoxylated fatty alcohol of type C13[EO]6as surfactant</p> <p><b>Example of a micro emulsion formulation by inversion:</b></p> <ul style="list-style-type: none"> <li>• RESIL C845 .....20%</li> <li>• Glacial acetic acid..... 0.32%</li> <li>• Surfactant C<sub>13</sub>(EO)<sub>6</sub>..... 8%</li> <li>• Water ..... to 100%</li> </ul> <p>Mix the oil RESIL C845 with the surfactant, the acid and gradually add water. Application can be done either by padding or by exhaustion. A silicone deposit of between 0.3% to 1%</p> <ul style="list-style-type: none"> <li>• Imparts an extremely soft, full and silky hand to fabrics,</li> <li>• Provides outstanding lubrication of the textile's components ( threads, fibres),</li> <li>• Improves the fabric's drape characteristics,</li> <li>• Low yellowing,</li> <li>• Enhances elasticity and crease removal after washing.</li> </ul>
<b>Packaging</b>	<b>RESIL C845</b> is available in 200kg plastics drums on pallet of 800kg.
<b>Storage and shelf life</b>	When stored in its original unopened packaging at a temperature 2°C~30°C, <b>RESIL C845</b> may be stored for up to 12 months from its date of manufacture (expiry date). Comply with the storage instructions and expiry date marked on the packaging. Past this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications.
<b>Safety</b>	Consult the Safety Data Sheet (MSDS) of <b>RESIL C845</b> .
<b>Limitations</b>	<b>RESIL C845</b> products are neither tested nor represented as suitable for medical or pharmaceutical uses.