**Dow Corning® CE-1874 Microemulsion**

**FEATURES & BENEFITS**
- Cold Processing
- Non-yellowing
- Ability to create clear systems
- China cosmetic use compliant
- Enhance volume
- Repair damaged hair
- Protect color
- Increase shine
- Reduce combing force
- Improve sensory feel

**COMPOSITION**
- Silicone polyether microemulsion

**INCl Name:** PEG-7 Dimethicone (and) Laureth-7 (and) Polysorbate 20

**APPLICATIONS**
- Shampoos
- Leave-in Conditioners

**TYPICAL PROPERTIES**
Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
<td>Colorless to pale yellow</td>
</tr>
<tr>
<td>Silicone level</td>
<td>wt.%</td>
<td>~30</td>
</tr>
<tr>
<td>Emulsion type</td>
<td></td>
<td>Nonionic microemulsion</td>
</tr>
<tr>
<td>D4/D5 cyclics content</td>
<td>wt.%</td>
<td>&lt;0.1</td>
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</tbody>
</table>

**DESCRIPTION**
*Dow Corning® CE-1874 Microemulsion* is a transparent, water-dispersible emulsion. It is based on hydrophilic modified silicone technology, designed to provide hair with a light and smooth feel. Testing has been performed on several hair types. It can be used to formulate standard, sulfate-free and clear shampoos.

In addition to improved sensory feel and ease of combing, *Dow Corning CE-1874* has demonstrated long-lasting color protection in a sulfate-free shampoo after 16 washes on permanently colored red hair. The same shampoo also provides enhanced shine and repairs damaged hair while maintaining volume on bleached hair.

**HOW TO USE**
*Dow Corning CE-1874* Microemulsion is a non-ionic emulsion which is easy to incorporate into shampoos and leave-in conditioners. It is recommended to add the emulsion at the end of production, at temperatures below 40°C (104°F) with continuous mixing.

Recommended use levels are 1.0-5.0% active silicone for hair care formulations. Polymeric thickeners may be needed to achieve appropriate formulation viscosity in shampoos.

**HANDLING PRECAUTIONS**

**PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEB SITE AT DOWCORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.**
USABLE LIFE AND STORAGE
When stored at or below 40°C (104°F) in the original unopened containers, this product has a usable life of 12 months from the date of production.

PACKAGING INFORMATION
This product is available in 180 kg drums and 18 kg pails.

LIMITATIONS
This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION
To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

Thickening Shampoos Containing Dow Corning Ce-1874 Microemulsion
In order to thicken standard shampoo systems containing Dow Corning E-1874 Microemulsion, it is recommended to use a polymeric thickener. In the graph below, common thickeners were used to increase the viscosity of a standard shampoo at use levels ranging from 0.1 - 0.5 wt.%. Thickener use levels can be adjusted to meet specific viscosity needs.