



Technical Data Sheet

DOWSIL™ 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

INCI 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.

Property	Unit	Value
Appearance		Colorless to pale yellow
Silicone level	wt. %	~30
Emulsion type		Nonionic microemulsion
D4/D5 cyclics content	wt. %	<0.1

DESCRIPTION

DOWSIL™ 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, DOWSIL CE-1874 Microemulsion 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

DOWSIL 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 SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW 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 has an extensive Product Stewardship organization and

a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, www.consumer.dow.com or consult your local Dow representative.

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The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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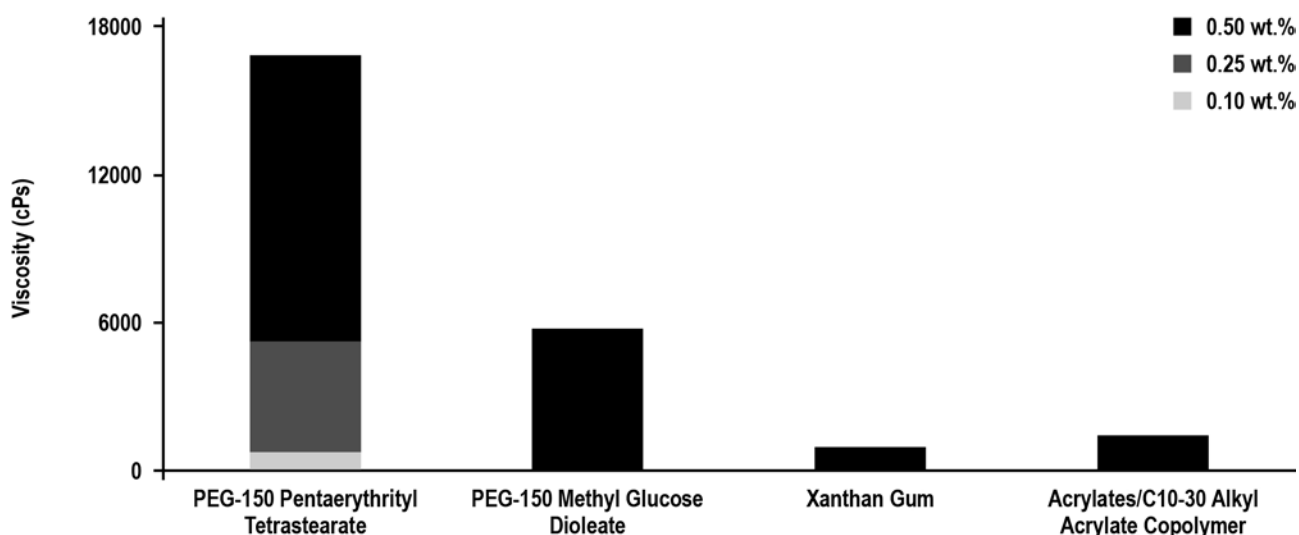
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Thickening Shampoos Containing DOWSIL CE-1874 Microemulsion

In order to thicken standard shampoo systems containing DOWSIL CE-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.



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