



Technical Data Sheet

DOWSIL™ 1785 POE Emulsion

INCI Name: Dimethiconol (and) TEA-Dodecylbenzenesulfonate

Features & Benefits

- Superior sensory benefits
- Does not impact foam properties
- Improves hair slipperiness and softness
- Improves wet combing
- Improved dry combing

Applications

- A very good additive for 2-in-1 shampoos and conditioner products
- In shampoos, it improves wet and dry combing, and imparts a slippery and soft feel to the hair
- The emulsion has no impact on either lather quantity or quality. The recommended concentration level is 2 to 4%
- For cosmetic use only

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Silicone content	%	60
Internal Phase viscosity	mm ² /s	> 1.0 million
Color		White to off-white
Viscosity at 25°C (77°F)	mm ² /s	200
pH		6–8
Suitable Diluent		Water
Emulsifier type		Anionic
Preservative (INCI name)		Ethylhexylglycerin and Phenoxyethanol

Description

DOWSIL™ 1785 POE Emulsion is a 60% anionic emulsion of a high molecular weight polydimethylsiloxane. The superior wet and dry combing benefits of DOWSIL 1785 POE Emulsion have been demonstrated in different shampoo formulations. This emulsion also provides excellent detangling and sensory benefits.

How To Use

Add the DOWSIL 1785 POE Emulsion to formulations as the last ingredient below 40°C (104°F) with moderate mixing. Typical use levels are 2–4%.

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 CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life And Storage

Product should be stored at or below 32°C (90°F) in original, unopened containers.

This product has a usable life of 18 months from the date of production.

Limitations

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

Not intended for human injection. Not intended for food use.

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, consumer.dow.com or consult your local Dow representative.

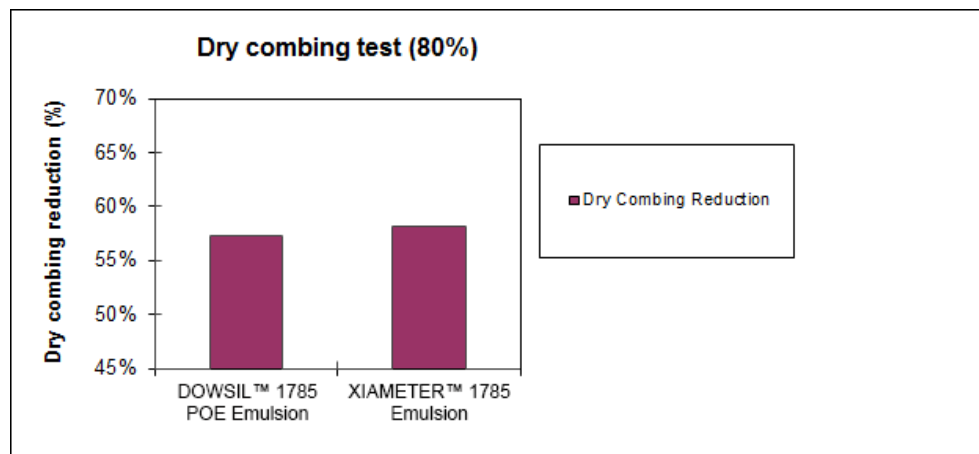


Figure 1

Results show there is no significant difference in dry combing test between DOWSIL 1785 POE Emulsion and XIAMETER 1785 Emulsion.

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