



## Technical Data Sheet

### XIAMETER™ MEM-1785 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 <sup>2</sup> /s | > 1.0 million   |
| Color                    |                    | White to off-white                                    |
| Viscosity at 25°C (77°F) | mm <sup>2</sup> /s | 200   |
| pH                       |                    | 6–8   |
| Suitable Diluent         |                    | Water   |
| Emulsifier type          |                    | Anionic   |
| Preservative (INCI name) |                    | Methylchloroisothiosolinane and Methylisothiosolinane |

#### Description

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

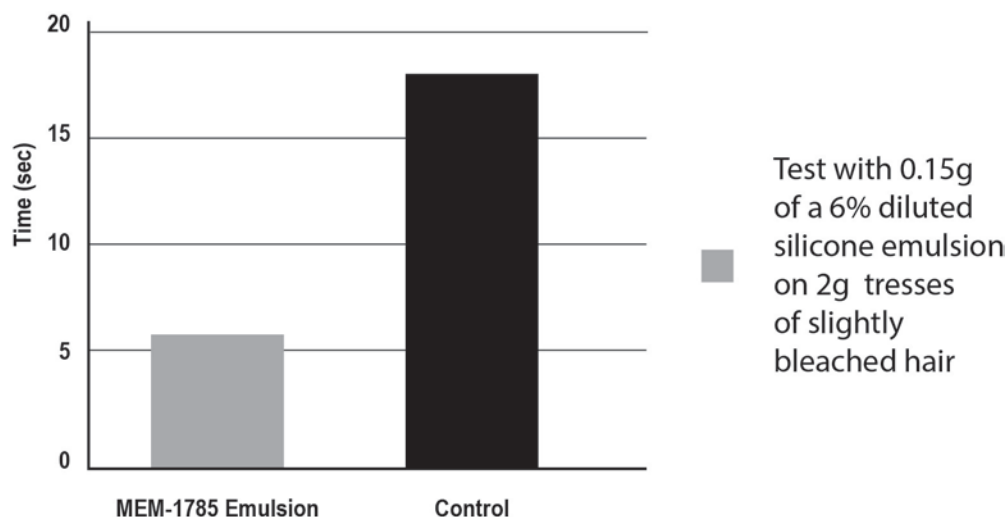
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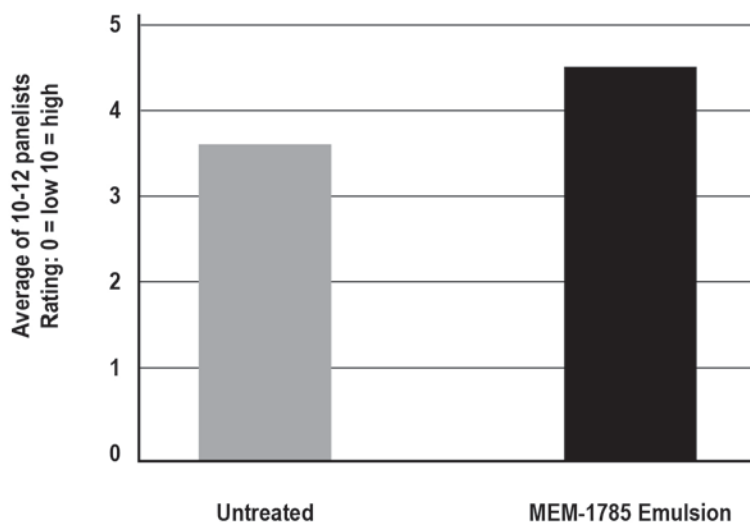
XIAMETER™ MEM-1785 Emulsion

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|  |   |
|--|---|
| How To Use                                 | Add the XIAMETER MEM-1785 Emulsion to formulations as the last ingredient below 40°C (104°F) with moderate mixing. Typical use levels are 2–4%.   |
| Handling<br>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 <a href="http://WWW.CONSUMER.DOW.COM">WWW.CONSUMER.DOW.COM</a> , OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE. |
| Usable Life And<br>Storage                 | Product should be stored at or below 32°C (90°F) in original, unopened containers.  |
| Limitations                                | This product is neither tested nor represented as suitable for medical or pharmaceutical uses.<br><br>Not intended for human injection. Not intended for food use.  |
| Health And<br>Environmental<br>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.<br><br>For further information, please see our website, <a href="http://www.consumer.dow.com">www.consumer.dow.com</a> or consult your local Dow representative.   |



**Figure 1**  
Results Show Decrease In Wet Detangling Time For Tresses Treated With XIAMETER MEM-1785 Emulsion Compared To Control (Treated With Water).



1 mg sample of emulsion was applied to a 2.0g tress of slightly bleached hair

**Figure 2**  
Sensory Results Show Improved Wet Feel / Slipperiness For Tresses Treated With XIAMETER MEM-1785 Emulsion Compared To Control (Untreated Tresses).

<http://www.xiameter.com>

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