



## Technical Data Sheet

### XIAMETER™ PMX-1503 Fluid

INCI NAME: Dimethicone and Dimethiconol

#### Features & Benefits

- Film forming
- Non-occlusive
- Long lasting
- Wash-off resistant
- Imparts a silky, lubricious feel

#### Applications

Areas of potential use for XIAMETER™ PMX-1503 Fluid include a wide range of cosmetic and toiletry applications such as:

- Skincare
- Color cosmetics
- Sun care
- Shower gels

#### Typical Properties

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

Property	Unit	Value
Silicone Content	%	100
Dimethiconol	%	12
Viscosity	mm <sup>2</sup> /s	1500
Appearance		Clear, colorless
Specific Gravity at 25°C (77°F)		0.93
Refractive Index at 25°C		1.396
Cyclotetrasiloxane Content (D4)	%	< 0.1
Flash Point - closed cup	°C	> 105

#### Description

XIAMETER PMX-1503 Fluid is a blend of an ultra high viscosity Dimethiconol in a low viscosity Dimethicone fluid.

#### How To Use

When preparing an emulsion containing XIAMETER PMX-1503 Fluid, it is recommended to use a high stirring speed and to pass the emulsion through a homogenizer.

UNRESTRICTED – May be shared with anyone

™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

XIAMETER™ PMX-1503 Fluid

© 2017 The Dow Chemical Company. All rights reserved.

Table 1: Compatibility

Type of Material	
Water	I
Propylene Glycol	I
Octyl Methoxycinnamate	up to 7%
<b>Hydrocarbons</b>	
Mineral Oil – 8 mm <sup>2</sup> /s	up to 54%
Isododecane	C
Isopar H	C
<b>Oils</b>	
Almond Oil	up to 3%
Castor Oil	I
Jojoba Oil	up to 9%
Soybean Oil	up to 3%
Sunflower Oil	up to 3%
<b>Esters</b>	
Isopropyl Myristate	C
Isopropyl Palmitate	C
Octyl Palmitate	up to 52%
C12-C15 Alcohol Benzoate	up to 33%
Capric/Caprylic Triglycerides	up to 30%
Octyldodecanol	up to 22%
Oleyl Alcohol	up to 3%
<b>Silicones</b>	
Dimethicone (all viscosities)	C
Phenyl Trimethicone	C

C: Compatible all ratios  
 I: Incompatible all ratios  
 Up to: x% of the tested material is compatible with the remaining % of XIAMETER PMX-1503 Fluid

**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](http://WWW.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.

## 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, [www.consumer.dow.com](http://www.consumer.dow.com) or consult your local representative.

<http://www.xiameter.com>

### **LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY**

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.

Dow's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

**TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DOW SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.**

**DOW DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

