

# XIAMETER® PMX-1501 Fluid

**INCI NAME: Cyclopentasiloxane (and) Dimethiconol**

## BENEFITS

- Film forming
- Imparts soft velvety skin feel
- Conditions hair, especially split ends
- Long lasting, resistant to wash off
- When used in deodorants
  - Long lasting fragrance retention capacity (up to 24 hrs)
  - Immediate drying
  - No burning sensation
  - Soft and smooth feel
- Preference over alcohol when used in deodorant formulation

## APPLICATIONS

Areas of potential use for XIAMETER® PMX-1501 Fluid encompass a wide range of Cosmetic and Toiletry applications such as:

- Skin Care
- Color Cosmetics
- Sun Care
- Hair Care
- Shower Gels
- Antiperspirants and Deodorants

## TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local XIAMETER® sales representative prior to writing specifications on this product.

Test	Unit	Value
Appearance		Clear viscous fluid
Non- volatile content	%	14–15
Viscosity at 25°C (77°F)	cst	4500–8000
Refractive index at 25°C (77°F)		1.396
Flash point	°C	>62
	°F	>143.6

## DESCRIPTION

XIAMETER PMX-1501 Fluid is a blend of approximately 15% of an ultra high viscosity dimethiconol in cyclo-pentasiloxane. The skin feel of XIAMETER PMX-1501 Fluid has been demonstrated to be equivalent to that of XIAMETER PMX-1401 Fluid.

formation of the emulsion, and below 60°C (140°F), using a high shear mixer.

### Non-emulsion products:

It is advisable to add cosmetic ingredients to the silicone and not vice versa as often ultra high molecular weight dimethiconol is incompatible with other cosmetic ingredients.

## FORMULATION TIPS

Emulsion products:

1. XIAMETER PMX-1501 Fluid can be incorporated directly into the oil phase of the formulation.
2. If temperatures above 70°C (158°F) are being used to melt the oil phase, XIAMETER PMX-1501 Fluid should be added slowly after the

## PRODUCT SAFETY INFORMATION

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, ENVIRONMENTAL,

AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE XIAMETER WEBSITE AT WWW.XIAMETER.COM.

## STORAGE

Product should be stored at or below 25°C (77°F) in original, unopened containers. The most up-to-date shelf life information can be found on the XIAMETER Web site in the Product Detail page under Sales Specification.

## 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.

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

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## COMPATIBILITY

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### Type of material

Water	I
Ethanol (200 proof)	up to 26%
Propylene Glycol	I
Octyl Methoxycinnamate	up to 12%

### Hydrocarbons

Mineral oil - 8mm <sup>2</sup> /s	up to 58%
Isododecane	C
Isopar H	C

### Oils

Almond oil	up to 9%
Castor Oil	I
Jobba oil	up to 14%
Soybean oil	up to 8%
Sunflower oil	up to 9%

### Esters

Isopropyl Myristate	C
Isopropyl Palmitate	up to 79%
Octyl Palmitate	up to 53%
C <sub>12</sub> -C <sub>18</sub> Alcohol benzoate	up to 35%
Capric/Caprylic Triglycerides	up to 32%
Octyldodecanol	up to 23%
Oleyl Alcohol	up to 13%

### Silicones

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-1501 Fluid .