



Technical Data Sheet

XIAMETER™ PMX-1403 Fluid

INCI NAME: Dimethicone and Dimethiconol

Features & Benefits

- Improves spreadability and application aesthetics
- Imparts a silky feel, lubricious feel to the skin
- Provides water repellent, non-occlusive film

Applications

- Hand and body lotions, protective creams, color cosmetics, shower gels, sun creams and lotions, moisturizing creams and lotions.

Typical Properties

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

Property	Unit	Result
Silicone content	%	100
Dimethiconol	%	12–14
Viscosity	mm ² /s	4000
Flash point - closed cup	°C	135
Appearance		Clear liquid
Specific gravity at 25°C (77°F)		0.93
Solubility in water	%	< 0.1
Cyclotetrasiloxane (D4) content	%	< 1.0

Description

XIAMETER™ PMX-1403 Fluid is a clear solution of ultra high viscosity Dimethiconol fluid in a low viscosity Dimethicone fluid.

Formulation Tips

When preparing an emulsion containing XIAMETER PMX- 1403 Fluid, it is recommended to use a high stirring speed and to pass the emulsion through a homogenizer.

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.

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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 Dow 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.

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.

Compatibility	
Type of material	
Water	I
Ethanol (200 proof)	I
Propylene Glycol	I
Octyl Methoxycinnamate	Up to 9%
Hydrocarbons	
Mineral Oil	Up to 59%
Isododecane	C
Isopar H	C
Oils	
Almond oil	I
Castor oil	I
Jojoba oil	Up to 11%
Soybean oil	Up to 3%
Sunflower oil	Up to 4%
Esters	
Isopropyl Myristate	C
Isopropyl Palmitate	C
Octyl Palmitate	Up to 53%
C12-C15 Alcohol Benzoate	Up to 34%
Capric/Caprylic Triglycerides	Up to 30%
Octyldodecanol	Up to 22%
Oleyl Alcohol	Up to 3%
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 XIAMETER PMX-1403 Fluid.

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