



## Technical Data Sheet

### **XIAMETER™ PMX-1411 Fluid**

INCI NAME: Cyclopentasiloxane and Dimethicone

#### **Features & Benefits**

- Film forming
- Non-occlusive

#### **Applications**

XIAMETER™ PMX-1411 Fluid could be potentially used as an ingredient in:

- Skincare
- Color cosmetics
- Haircare

#### **Typical Properties**

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

Property	Unit	Result
Silicone content	%	100
Ultra high molecular weight polydimethylsiloxane		15
Viscosity	mm <sup>2</sup> /s	6000
Appearance		Clear liquid
Specific gravity at 25°C (77°F)		0.92
Refractive index at 25°C (77°F)		1.397
Cyclotetrasiloxane content (D4)	%	< 0.1
Flash point - closed cup	°C °F	70 158

#### **Description**

XIAMETER PMX-1411 Fluid is a blend of approximately 15% of an ultra high viscosity polydimethylsiloxane in low viscosity cyclopentasiloxane.

#### **How To Use**

If temperature above 60°C (140°F) is being used to melt the oil phase, XIAMETER PMX-1411 Fluid should be added slowly after the formation of the emulsion below 60°C (140°F) using a high shear mixer.

## Regulatory Status

All components present in XIAMETER PMX-1411 Fluid are referenced in JCIC:

- Under the chemical name Decamethylcyclopentasiloxane with the code 520778 for the CLS Categories: 111: No limit
- Under the chemical name Highly Polymerized Methyl Polysiloxane with the code 520396 for the CLS Categories: 17, 11: No limit. Not used in CLS Categories 8, 9, and 10.

## Usable Life And Storage

Product should be stored at or below 25°C (77°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.

## 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.

## 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 Dow representative.

<http://www.xiameter.com>

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