



Technical Data Sheet

XIAMETER™ PMX-2020 Fluid

INCI NAME: Cyclopentasiloxane (and) Dimethiconol

Features & Benefits

- Optimal blend of dimethiconol gum in cyclomethicone
- Free of emulsifiers and preservatives
- Not tested on animals
- Film forming
- Conditions hair
- Provides soft and silky skin feel
- Helps to prevent and repair split ends

Applications

Areas of potential use for XIAMETER™ PMX-2020 Fluid encompass a wide range of cosmetics and toiletries applications such as:

- Skin care
- Color cosmetics
- Sun care
- Haircare
- Shower gels
- Antiperspirants and deodorants
- Cuticle coat

Typical Properties

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

| Property | Unit | Result |
|---------------------------------|------|--------------|
| Appearance | | Clear liquid |
| Non-volatile content | % | 8.5–11.5 |
| Viscosity | cSt | 1500 |
| Flash point | °C | > 72 |
| | °F | > 162 |
| Specific gravity at 25°C (77°F) | | 0.90 |

Description

XIAMETER™ PMX-2020 Fluid is a blend of approximately 10.5% of an ultra high viscosity dimethiconol in cyclomethicone. The skin feel of XIAMETER™ PMX-2020 Fluid has been demonstrated to be equivalent to that of XIAMETER™ PMX-1501 Fluid.

How to Use

Emulsion Products:

1. XIAMETER™ PMX-2020 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-2020 Fluid should be added slowly after the 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 dimethicone is incompatible with other cosmetic ingredients.

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 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 25°C (77°F) in original, unopened containers. The most up-to-date shelf life information can be found on the Dow website 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.

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, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

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