

# Manta F1016A

## Hair and Skin Care Silicone Fluid

### Description

Manta F1016A is a mixed product of high viscosity Polydimethylsiloxane dispersed in volatile cyclomethicones and low viscosity PDMS, which is colorless, odorless and non-toxic. The product has a high affinity with the skin and hair and can form a soft protective film. For its appropriate volatility, the product can be added into the formulations and provide velvety and silky feel. It is ideal material for the hair care products.

### Typical Physical Properties

INCI/CTFA Product Code	Dimethicone (and) Cyclomethicone		
	F1016A(5000-6000cP)	F1016A(6000-7000cP)	F1016A(10000cP)
Appearance	Colorless transparent viscous fluid		
Viscosity(25°C)	5000-6000cP	6000-7000cP	10000-12000cP
Refractive index (25°C)	1.396-1.435	1.396-1.435	1.396-1.435
Specific gravity (25°C)	0.920-0.950	0.920-0.950	0.920-0.950

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

### Properties

- Velvety and silky feel;
- Providing the best glossing and feeling properties;
- Forming a soft silicone protective film;
- Enhancing the long-lasting properties of other active ingredients on skin;
- Reducing the rub to keep the skin smooth and water proof;
- Excellent hydrophobic ability;

### Applications

F1016A has a wide range of applications, such as hair and skin care products, sun proof products, styling aids, skin care creams, make-up, etc.

### How to use

Due to its volatility, this product is recommended that be formulated at room temperature or below

50°C. Reduce the temperature to 50°C after the oily-phase melted, and slowly add the product, then completely stir. Add the other ingredients at last.

The product has good compatibility with oily cosmetic materials such as pigments, greases and perfumes. It can be used diluted by volatile silicone to reduce the viscosity.

After adjusted the viscosity with cyclomethicones, the produce can be used directly in the hair to condition, keep wetting and care. It can make dry and weakened hair bright, smooth and silky.

The recommended usage level of the product is 3%-8% in hair care products, 40%-50% in hair care oil produces.

### Packaging

In 50kg pail, 195kg iron drum

### Safety and Storage

Keep away from heat and open flame. Prevent from the exposure of moisture, acid, alkalis and other impurities. When stored at well in the original unopened containers, this product has a usable life of 24 months from the date of production (drum packing). This product is non-hazardous product.

### Contact Information

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