

Product Information

Personal Care Products-

Polyether Silicone Oil

Product Features:

- 100% effective content, small dosage
- Good skin affinity
- Hydrating and moisturizing
- Slippery dryness without greasy feeling
- High water solubility, high gloss
- Compatible with various cosmetic components and resins
- Increase foam density and quantity for washing products
- As a resin plasticizer for hair setting products
- Increase hair gloss, and conditioning performance
- Can enhance the product stability as emulsifier

Product Advantages:

- Smoothen, soften, and plump hair
- As a humectant and emollient for skin care products

Product Applications:

Used for various personal care products as below:

- Hair spray and other leave-on hair care products
- Skin care lotion and cream, sunscreen products
- Perfume, shaving cream
- Transparent or non-transparent hair shampoo, shower gel
- Facial cleanser
- Aquatic products, essence
- Silicone oil emulsifier

Limited Liability

This information is based on the test of **Silok** and was considered to be correct; It cannot supersede the assessments and testing that users need to do before using this product; **Silok** can only guarantee the sell products to meet the constituted sales standard; and the only responsibility of **Silok** for breach of warranty is as follows: replacement of an equivalent product or refund the purchase price; **Silok** expressly declares not responsible for the loss of accidental or incidental.

SiCare-2293

Polyether Modified Dimethicone

INCI: PEG-12 Dimethicone

Product Description:

It is a polyether modified siloxane. With excellent water solubility, well compatible with cosmetic components, it acts well in hydrating, softening, moisturizing, brightening and not clogging pores. It can improve foam density, increase foam quantity and keep stabilizing. It can help emulsifying, promote product stability, plump hair, and enhance the conditioning performance.

Typical Physical Properties:

The data based on Silok internal testing for reference only.

Parameter	Value
Appearance	Colorless to light yellow transparent liquid
Viscosity cps (25°C)	1000-5000
Cloud point °C	90±5
Solid content% (120°C*2h)	≥95.00
Refractive index n_D^{25}	1.4450±0.0050
Flash point °C	> 100

Usage:

Soluble in water, ethanol system, quite stable in aqueous system, with high transperance, can be added into hot mixture (up to 90°C).

Sheet 1: SiCare-2293

Effect to surface tension

Distilled water	mNm ⁻¹	72.8
1% SiCare-2293 aqueous solution	mNm ⁻¹	25.5

Sheet 2: SiCare-2293

Compatibility with others cosmetic components

Material type	Components
Water	C
Ethanol (70%)	C
Octadecanol	C
Glycerol	C
Beeswax	I
Lanolin	I
Mineral oil	I
Stearic acid	C
Stearyl alcohol	C
Isopropyl palmitate	C
Dimethicone 10cs	C
Dimethicone 350cs	I

Remark: C=Compatible I=Incompatible
Sheet 3:

 Suggested dosage and functions of **SiCare-2293** (aqueous solution) for skin care and hair care products:

Products	Functions	Dosage%
Hair spray gel	Glossy/de-stick/styling	0.1-1.0
Hair spray water	Glossy/ de-stick/styling	0.3-1.0
Shampoo	Easy-comb/styling/silky	0.5-2.0
Facial cleanser	Hydrate/stabilize foam	0.5-2.0
Skin care lotion	Soften and moisten	0.3-2.0
Shaving-aerosol foam	Soften and moisten/stabilize foam/dampen	0.2-2.0
Perfume	Dampen/ hand touch	0.1-0.5
Toning lotion	Hydrate/ lubricate/ soften	0.5-5.0

Storage and Validity:

Unopened stored at normal temperature, shelf-life is 18 months since its date of production.

Sample Package: 125ml Colorless Glass Bottle
Product Package: 25/200kg Plastic Drum
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