

## **DIMETHICONE PEG-8 MEADOWFOAMATE**

**DESCRIPTION:** Non-animal origin skincare and haircare additive for cosmetics and toiletries.

**GENERAL INFORMATION:** DIMETHICONE PEG-8 MEADOWFOAMATE is manufactured by complexing the fatty acid of the natural triglyceride Meadowfoam Seed Oil (Limnanthes Alba) with silicone.

### **MAIN BEHAVIOURS:**

- Gives the combined properties of the conditioning associated with the Meadowfoam Seed Oil and the properties of silicone in a single molecule
- Is soluble in water
- Has excellent conditioning and moisturizing properties in both skin and haircare applications
- Can be absorbed into the hair cuticle and help repair damaged hair
- Can be used as a shine enhancer in decorative cosmetics and hair care products while also helping to build body to the formulation
- Does not depress foam but adds density and more creaminess to the foam

### **KEY PROPERTIES:**

- Repairs hair cuticle
- Increases strength of hair
- Improves hair shine, feel and combability
- Can build body and texture in formulations
- Helps film forming
- Moisturizes skin and hair
- Provides emolliency and lubricity

**INGREDIENTS:** INCI name: Dimethicone PEG-8 Meadowfoamate

### **CHEMICAL AND PHYSICAL DATA:**

Appearance	Clear off white to yellow liquid
Color (Gardner)	3 max
Acid Value (mg KOH/gm)	8 max
Solubility test (5% deionized water)	Soluble
Specific Gravity @ 20°C	1.05 - 1.10

#### APPLICATIONS:

- Lipsticks and Decorative Cosmetics
- Hair Shampoo
- Hair Conditioner
- Body Lotion
- Skin Cream
- Bath and Spa Products
- Hair Styling Aids
- Gels
- Baby Products



#### INCORPORATION:

DIMETHICONE PEG-8 MEADOWFOAMATE can be added at any convenient stage in the manufacturing cycle with mixing.

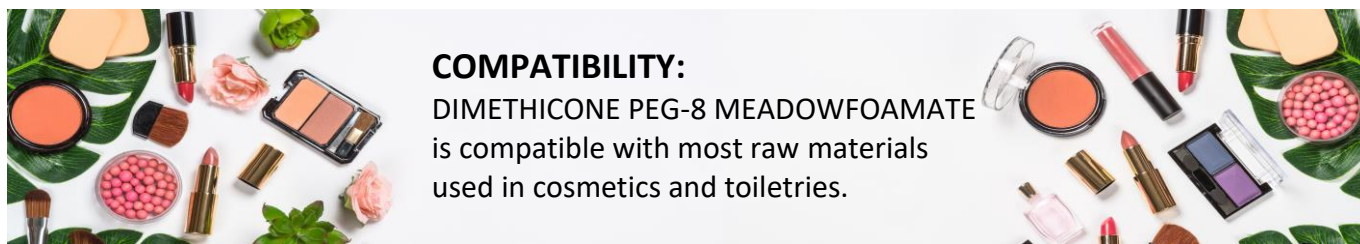
<i>Solubility @ 25°C</i>	<i>@3%</i>	<i>@50%</i>
<i>Castor Oil</i>	Soluble (Clear Solution)	Soluble (Clear Solution)
<i>Mineral Oil</i>	Dispersible	Dispersible
<i>Propylene Glycol</i>	Soluble (Clear Solution)	Soluble (Clear Solution)
<i>Glycerine</i>	Dispersible	Dispersible
<i>Ethyl Acetate</i>	Soluble (Clear Solution)	Soluble (Clear Solution)
<i>Ethyl Alcohol</i>	Soluble (Clear Solution)	Soluble (Clear Solution)
<i>FANCORSIL® A</i>	Dispersible	Dispersible
<i>Isopropyl Myristate</i>	Dispersible	Insoluble (becomes insoluble at 30%)
<i>Distilled Water @ 25°C</i>	Soluble (Clear Solution)	Soluble (Clear Solution)
<i>Distilled Water @ 75°C</i>	Dispersible	

#### LEVELS OF USE:

The level of use will depend on the formulation. Typical addition levels are 0.1-10%

#### COMPATIBILITY:

DIMETHICONE PEG-8 MEADOWFOAMATE is compatible with most raw materials used in cosmetics and toiletries.



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**TOXICITY:**

Care is taken to ensure that the ingredients used in the DIMETHICONE PEG-8 MEADOWFOAMATE additive are not known to be injurious to health in any way and have been toxicologically tested to ensure their safety. However, the DIMETHICONE PEG-8 MEADOWFOAMATE additive has not been subjected to testing involving the use of animals within the last 10 years.

**STORAGE TEMPERATURES:**

Keep container sealed and store at room temperature.

**SHELF LIFE:**

DIMETHICONE PEG-8 MEADOWFOAMATE has a shelf life of 3 (three) years from date of manufacture.

**SAFETY:**

Before using this product, please consult our MSDS.