

# **Biowax**®

## **Ingredient Information**

INCI Name: PEG-8 Dimethicone

CAS# 68937-54-2

EINECS# Polymer Exempt

Japan Code# 521039

Japan Nomenclature: Polyoxyethylene,

Methylpolysiloxane Copolymer

#### Attributes

- Improves cushion, texture, and slip
- Enhances foam density and stability
- Water soluble emollient
- Suitable for clear hydroalcoholic systems

# <u>Applications</u>

- Hair care
- Skin care
- Color Cosmetics
- Sun care

Recommended use levels 0.50 – 10.00%

### **Specifications**

### Biowax® 754 Special

Color White
Appearance Waxy Solid
Acid Value 1.0 max
Melting Point 36 - 46°C
Molecular Weight Approx. 2520

# Biowax® Liquid 754

Color 3 max
Appearance Clear liquid
Acid Value 1.0 max
Viscosity 100 – 300 cps
Molecular Weight Approx 1100

# Biowax® Liquid D

Color 4 max
Appearance Clear liquid
Viscosity 150 – 400 cps
Molecular Weight Approx 2400

**Biowax**<sup>®</sup> is a series of water soluble silicones suitable for a variety of personal care and cosmetic applications. Our PEG-8 Dimethicone provides significant slip and cushion in most skin care applications. It is an excellent texture modifier and can also provide secondary emulsification in challenging systems.

Our **Biowax**<sup>®</sup> series of materials have a low odor profile compared to Dimethicone Copolyols which have a characteristic residual odor. The low odor profile is achieved with a steam stripping process to provide a cleaner material readily utilized and will not interfere with complex fragrance profiles.

Biosil offers 3 different product grades of this water soluble silicone. The difference between the grades is the molecular weight and the branching of the silicone polymer.

- *Biowax*® 754 *Special* has the highest molecular weight in the series and is available in a soft solid form.
- *Biowax*® *Liquid* 754 is a low viscosity fluid with the lowest molecular weight in the series.
- *Biowax*<sup>®</sup> *Liquid D* is a fluid that can readily solubilize lipophilic materials into hydrophilic systems and provide good clarity profiles.

# Storage and Handling

Before handling please read the Safety Data Sheet and container label for safe use, physical and health hazard information.

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