

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

Applications

- 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® 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®** 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® 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.

Biosil Technologies, Inc.

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