

# BioEstolides – Hair Care

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At Biosynthetic® Technologies, we are a specialty ingredient company in the Beauty and Personal Care industry, that is dedicated to the health and safety of both our customers and the environment. BioEstolides are bio-based, biodegradable, sustainable and designed to still offer strong performance benefits so the personal care industry does not need to sacrifice performance in order to offer more sustainable ingredients in their higher end quality brands.

*The market is looking for bio-based alternatives to silicones and petroleum-based products and BioEstolides have been designed to be gentle on hair and skin and provide a soft satiny feel. Specific to hair care, BioEstolides are thermally stable and more resistant to vaporizing when exposed to heating elements potentially offering longer lasting protection in hair products.*

## Products Discussed:

- BioEstolide 30 (BE30)
- BioEstolide 250 (BE250)
- BioEstolide 1300 (BE1300)

## Suggested Uses in Hair Care:

**BioEstolide 30** is an extremely light ingredient and can be used in hair oils replacing the esters or heavy oils. It can also be used in leave in conditioners as it doesn't have a tacky film. Imparts a nice shine and is far less volatile than similar viscosity oils.

**BioEstolide 250** is a slightly heavy ester. It can be used in rinse off and leave in conditioners and hair masks for dry damaged hair and where moisturization is needed. Imparts a nice shine and helps protect the hair from thermal damage. In some applications it can be used as a silicone replacement.

**BioEstolide 1300** is the heaviest of all. It can be used in conditioners and hair masks. It is a viable silicone replacement in any hair care product. Imparts a nice shine and helps protect the hair from thermal damage and can be used in any application meant to protect hair during heat treatments or would be present on the hair when exposed to a heat treatment. It can also be suitable for pomades where slight hold is expected.

## **BioEstolide Technology**

At Biosynthetic® Technologies, we are a specialty ingredient company in the Beauty and Personal Care industry, that is dedicated to the health and safety of both our customers and the environment. We strive to delivering innovations for a safe and sustainable future by are socially responsible and meet evolving consumer needs. Our unique products; BioEstolides™, are stable bio-derived oils from a natural non-GMO source with unique performance features. These renewable and biodegradable oils deliver high performance benefits as an emollient with enhanced stability, exceptional moisturization characteristics and a light, satiny feel. BioEstolide™ are multi-functional and not only enhance the feel and performance of other cosmetic ingredients, but they come with some powerful benefits of their own.

## **BioEstolide Applications**

Baby Care, Bath & Shower, Body Care, Color Cosmetics, Hair Shampoo, Hair Conditioner, Hair Setting Aid, Hair Relaxer, Hair Dye, Decorative Cosmetics, Skin Creams and Lotions, Depilatories, Ethnic Hair Care, Food & Pharma, Hair Cleansing, Hair Conditioning, Hair Styling, Hair Treatment, Household Cleaning, Lubrication, Make-up Remover, Pharmaceutical, Skin Care, Skin Cleansing, Tanners etc.

## **Biosynthetic® Technologies**

Biosynthetic® Technologies is committed to sustainability and focused on the responsible use of natural resources. We incorporate sustainability into both our products and manufacturing practices. We are constantly looking for ways to minimize [the] negative impacts on the environment while conserving energy and natural resources. Our objective is to make sustainability a point of difference for our business, and we are confident that this strategy will generate even greater benefits for the environment in which we operate, the people that we work with and the communities we are part of. We understand that health and environmental awareness play just as large a role for consumers as quality and efficacy. As such, we use natural feedstocks in our products and our manufacturing facility is operating with a NEGATIVE carbon footprint!