

BioEstolide™ 1300

Delivering innovations for a sustainable future.

BioEstolide™ oils are natural, sustainable and come with a variety of superior benefits. Not only do they enhance the feel and performance of other cosmetic ingredients, they come with some powerful benefits of their own.



Ethylhexyl Acetoxystearate

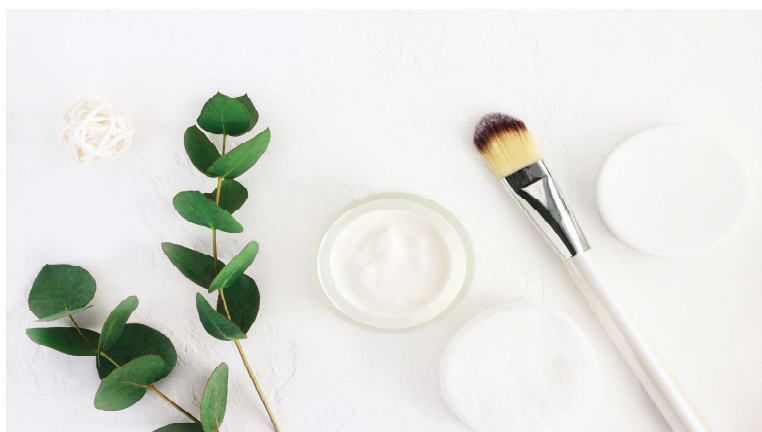
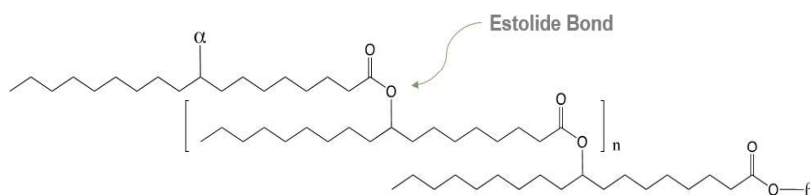
BioEstolide™ is an exciting new plant-based emollient with enhanced stability properties, exceptional moisturization characteristics and a light, satiny feel. This unique patented ester is made from natural seed oils and delivers enhanced performance properties for personal care formulations.

About BioEstolide™

- Multi-functional
- Eco-friendly, natural, sustainable
- Non-oily, non-tacky, elegant skin feel
- Moisturizing, softening and conditioning effects
- Low odor and color
- Superior oxidative stability
- Improved structural integrity in stick formulations
- Allows for higher pigment loading, enhancing color intensity
- Outstanding moisturization benefits
- Unique lubricious feel
- Improves skin barrier function
- Delivers superior hydrating properties
- Dry feel and fast absorption
- Non-GMO & animal cruelty free
- Reduces coefficient of friction on hair
- Imparts satiny, smooth sensory feel
- Provides sheen and moisture retention

FORMULATION BENEFITS

- **Emollient** – hydrate, soften and smooth the skin surface without leaving an oily residue on the skin
- **Solvent** - dissolve ingredients so that they can mix together and function properly and achieve the proper consistency of finished products.
- **Thickening Agent** – function as a thickening agent in personal care formulations to enhance the consistency, viscosity and volume of personal care products.
- **Sensory Enhancer** – have the advantage of not leaving a greasy residue on the skin and provides a luxurious sensory experience.
- **Stable** - provide excellent oxidative and hydrolytic stability properties provide considerably longer shelf life than other natural or naturally derived oils.
- **Non-toxic** - are considered non-toxic and non-comedogenic.



SEE REVERSE FOR PRODUCT SPECIFICATIONS

BioEstolide™ 1300

TYPICAL PROPERTIES



BioEstolide™ 1300	
NCI Name	Ethylhexyl Acetoxystearate Estolide
Kinematic Viscosity, 100°C, cSt	75.9
Kinematic Viscosity, 40°C, cSt	668.4
Viscosity Index	195
Dynamic Viscosity, 25°C, cP	1300
Specific Gravity, 15°	0.9190
Flash Point (Open), °C	288
Flash Point (Closed), °C	251
Pour Point, °C	-21
Cloud Point, °C	n/a
ASTM Color	1
Renewable Carbon	95%
Iodine Value, g 12/100g	2.0
Shelf Life (years)	2
Acid Value, mg KOH/g	0.3
Refractive Index, 20°C	1.47
Water Content, wt%	0.1 max
Molecular Weight, g/mol	2680
Odor	Low
Appearance	Light Yellow
Sensory After Feel	Light, Satiny



*Typical results are provided. To the best of our knowledge, the information is accurate, but given without guarantee.

PRODUCT APPLICATIONS

Baby Care	Hair Treatment & Styling
Bath & Shower	Household Cleaning
Body Care	Lubrication
Color Cosmetics	Make-up Remover
Depilatories	OTC
Ethnic Hair Care	Pharmaceutical
Food & Pharma	Skin Care
Hair Cleansing	Skin Cleansing
Hair Conditioning	Tanners

