

TECHNICAL DATA SHEET

MEADOWESTOLIDE®

Non-animal origin skincare and haircare additive for cosmetics and toiletries

GENERAL INFORMATION

MEADOWESTOLIDE® is a unique, functionally significant derivative of Meadowfoam Seed Oil. The development of this estolide represents a new level of advanced ingredient technology. The estolide is a dimeric molecule, which is structurally sophisticated and functionally active.

MEADOWESTOLIDE® provides measurable and meaningful consumer benefits. In hair, the estolide improves intra-fibre moisture retention and thereby imparts protection from thermal damage, while restoring the elasticity and reducing the coefficient of friction of the hair cuticle surface to prevent mechanical damage.

In skincare systems, **MEADOWESTOLIDE®** helps to adjust the hydration levels of the interstitial spaces and provides significant moisturization benefits. These benefits are often perceived as softer, more pliant tissue. Initial investigations suggest that the estolide will prove to be a very important agent in protecting skin from the damaging effects of a variety of common causes.

MEADOWESTOLIDE® has been incorporated into decorative cosmetics where significant attributes were observed including improved elegance in product texture and, in the case of pigment delivery, considerably better colour “pay-off”.

INCI NAME

Meadowfoam Estolide

APPLICATIONS

- Hair shampoo
- Hair conditioner
- Hair setting aid
- Hair relaxer
- Hair dye
- Decorative Cosmetics
- Skin creams and lotion

CHEMICAL & PHYSICAL PROPERTIES

Appearance @ 35°C	Clear, yellow to amber liquid
Colour (Gardner)	12 max.
Acid Value	50 – 100
Refractive Index	1.455 – 1.475
Iodine Value	40 – 70
Specific Gravity @ 25°C (g/mL)	0.88 – 0.94
These are typical properties not to be used for specification purposes.	

KEY PROPERTIES

- Provides measurable and meaningful consumer benefits
- Improves intra-fibre moisture retention
- Imparts protection from thermal damage
- Restores elasticity to hair
- Reduces coefficient of friction on skin and hair
- Helps adjust hydration levels of interstitial spaces and provides skin moisturisation and protection benefits
- Contributes to an elegant after-feel
- Improves elegance and texture of products
- Enhances pigment delivery and colour “pay-off”

MEADOWESTOLIDE®

SHELF LIFE

MEADOWESTOLIDE® has a shelf life of 2 (two) years from date of manufacture.

LEVEL OF USE

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

INCORPORATION

MEADOWESTOLIDE® can be added at any convenient stage in the manufacturing process.

STORAGE RECOMMENDATIONS

Keep container sealed and store at room temperature. **MEADOWESTOLIDE®** may form a precipitate during winter months. It should be warmed to 35°C and mixed before use to ensure homogeneity.

HEALTH & SAFETY

Before using this product, please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

QUALITY ASSURANCE

Quality and continuous improvement are paramount to our business. Facility manufacturing **MEADOWESTOLIDE®** has established strong quality management system and holds ISO 9001 certification.

SUSTAINABILITY

MEADOWESTOLIDE® is a raw material approved by Ecocert Greenlife in accordance with the Ecocert standard for Natural and Organic Cosmetics.

MEADOWESTOLIDE® is a raw material approved by Ecocert Greenlife in accordance with the COSMOS Standard.



**COSMOS
APPROVED**

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