

Vegetatum[®] Equiline SF

Formulators are turning to botanical extracts to replace traditionally used petrolatum products that are quickly becoming less desirable in the cosmetic and personal care industries. The **Vegetatum[®]** line of ingredients provides exactly what formulators want – a natural based alternative to petrolatum. It is important to note that the safety of petrolatum (or petroleum jelly) has been so controversial that it has been listed as a probable human carcinogen on the European Union's Dangerous Substances Directive due to its potential to contain harmful impurities.

Not only does **Vegetatum[®]** provide a safer alternative to petroleum based emollients, it is also an excellent source of Essential Fatty Acids (EFAs). Scientific research continues to indicate the nutritional benefits associated with EFAs are important for healthy looking skin and hair. The entire range of **Vegetatum[®]** products are created from a Canadian sourced, non-transgenically modified canola oil that is rich in EFAs and vitamin E. This novel line of emollients help to soften, smooth and protect the epidermis/hair cuticle through the retention of the body's natural oils and moisture.

Vegetatum[®] products allow for the replacement of petroleum jelly with a plant based ingredient that is high in EFAs.



Description:

Vegetatum[®] Equiline SF is softer in feel, more opaque in appearance and less viscous in consistency in comparison to other **Vegetatum[®]** products. This plant based emollient, high in EFAs, is an ideal choice for formulations that reduce skin roughness, irritation and aid in skin smoothing and softening. The exceptional thermostability, viscous consistency, gel-like structure, and less greasy softer feel of **Vegetatum[®] Equiline SF** allows for its use in a wide array of formulations. Upon application **Vegetatum[®] Equiline SF** forms an invisible film on the skin surface that minimizes the loss of moisture to smooth and soften skin.

Functionality:

Vegetatum[®] Equiline SF is an ideal ingredient in cosmetic formulations as it can be used as a skin conditioner, emollient, film former, viscosity controlling agent and a viscosity building agent for anhydrous systems. **Vegetatum[®] Equiline SF** creates a barrier when applied to the skin; thus it is an excellent moisturizing ingredient in creams, lotions, scrubs, sunscreen, and cosmetics.

Applications:

Vegetatum[®] Equiline SF performs particularly well in skin care, hair care and sunscreen formulations, which include baby creams, emollient creams, cold creams, conditioning creams, protective creams, sunscreen and self-tanning lotions, lip balms, lipsticks, eye-shadows and bar soaps.

INCI Name: Canola Oil (and) Zea Mays (Corn) Starch (and) Silica

Specifications:

Appearance:	Off-white, opaque gel
Odour:	Very light
Bacteriological Data:	Total bacteria count (aerobic): <100 cfu/g (At the time of packaging)
Solubility:	Soluble in vegetable oils, glycerol triisostearate, isostearate, oleic acid, isostearate, oleic acid, isostearic acid, coco-capryl/caprate and mixed glycerides. Insoluble in water, absolute ethanol and 1,2-propanediol, dimethicone. Miscible in anhydrous solutions.
pH (1:20 water emulsion)	4.6 - 6.6
Gardner Colour (1:10 in mixed glycerides):	Maximum 3
Stability:	Stable at room temperature. Store in original container under 20°C.
Recommended Usage Level:	Skin care creams and lotions: 1% to 10% (wt/wt) Others: 1% to 99% (wt/wt)
Formulating pH:	The recommended pH range is 3 to 8.
Formulating Temperature:	The recommended working temperature range is 25°C to 80°C. The best working temperature is 75°C.

Specifications are based on information available at the time of printing. This information is provided in good faith and is subject to the following conditions: 1. Natunola makes no warranty of any kind concerning any product, formulation or procedure or other matter contained in the information including, without limitation, any warranty that the sale or use of any product, formulation or procedure will not infringe any patent or other third party right; 2. The user of the information will not provide it to third parties and will indemnify and hold Natunola harmless from any liability arising out of the recipient's use of the information. (March, 2010)



Tel: (613) 774-9998 • **Fax:** (613) 774-2226 • **email:** sales@natunola.com
www.natunola.com