

Vegetatum[®] Clear



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[®] Clear is the ideal choice for formulations requiring a natural-base. This botanical emollient is produced from a non-transgenically modified canola. Natunola's canola oil is high in oleic acid, low in linolenic acid and rich in vitamin E. The exceptional thermo stability, clear appearance, gel-like structure, along with the less greasy feel of **Vegetatum[®] Clear** makes it a clear leader. **Vegetatum[®] Clear**'s consistency and its appearance allows for widespread use in a number of applications where a clear and transparent appearance is desired. The EFAs and Vitamin E within the product increase the healthy look and feel of skin and hair.

Functionality:

Vegetatum[®] Clear 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. When applied to the skin, **Vegetatum[®] Clear** forms a light film which prevents evaporation of moisture from the skin and protects the skin from irritation making it an excellent moisturizing ingredient in creams, lotions, scrubs, sunscreen, and cosmetics.

Applications:

Vegetatum[®] Clear 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) Silica (and) Zea Mays (Corn) Starch

Specifications:

Appearance:	Clear, transparent, light yellow gel
Odour:	Very light, pleasant
Bacteriological Data:	Total bacteria count (aerobic): <100 cfu/g (At the time of packaging)
Solubility:	Soluble in all vegetable oils, glycerol triisostearate, isostearyl isostearate, oleic acid, isostearic acid, coco-caprylate/caprate and mixed glycerides. Insoluble in water, absolute ethanol and 1,2-propanediol, dimethicone and cyclomethicone. 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.

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