

non-animal natural origin

skincare and haircare additive

for cosmetics and toiletries

GENERAL INFORMATION

FANCOR MEADOWFOAM SEED OIL is extracted from the seeds of the *Limnanthes Alba* (Meadowfoam) plant by a mechanic extrusion process and is refined afterward. It has a light yellow color and is practically odor free.

FANCOR MEADOWFOAM SEED OIL has a unique molecular structure not found in any other naturally occurring substance. FANCOR MEADOWFOAM SEED OIL contains approximately 95% fatty acids having chain lengths of 20-22 Carbon atoms. The typical fatty acid profile is as follows: C20:1(61%), C22:1(16%) and C22:2(18%). Most importantly, the unsaturated double bonds are located at the $\Delta 5$ and $\Delta 13$ position. Combination of lack of conjugated double bonds and carrying its natural antioxidant brings this oil extraordinary oxidative stability. Furthermore, it is liquid at room temperature regardless its high molecular weight. It is effective against heat breakdown and is resistant to oxidation.

INGREDIENTS

INCI name:

Limnanthes Alba (Meadowfoam) Seed Oil

APPLICATIONS

- Lipstick and Makeup
- Shampoo
- Conditioner
- Hand Lotion
- Skin Cream
- Bath Products
- Styling Aids
- Ethnic Products

KEY PROPERTIES

FANCOR MEADOWFOAM SEED OIL skin and haircare additive

Typical properties

- Imparts good spreadability and richness
- Provides natural luster and emollient feeling to hair care products with substantivity
- Exhibits good pigment wetting
- Can be used as a binder in powder products
- Improves skin moisturization giving a cushion feeling to the skin

CHEMICAL AND PHYSICAL DATA

Appearance, 25 °C	Clear yellow liquid
Odor	None
Free Fatty Acid, % as oleic	0.05 max.
Color (Gardner)	3 max.
Cold Test, hours @ 7 °C	24 min.
Peroxide Value, meq/Kg	1.0 max.
Saponification Value	164-174
OSI, Hours @ 130 °C	Greater Than 10
Heavy Metals	10 ppm max.
Unsaponifiable Matter	1% max.
Specific Gravity @ 20 °C/20 °C	0.90 - 0.92
Fatty Acid, C20:1 d5	58.0 – 64.0
Fatty Acid, C22:1 d5	3.0 – 6.0
Fatty Acid, C22:1 d13	10.0 – 14.0
Fatty Acid, C22:2 d5,d13	15.0 – 21.0
Microbial Analysis	100 cfu/g max.

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INCORPORATION

FANCOR MEADOWFOAM SEED OIL can be added at any convenient stage in the manufacturing process.

Solubility	@25°C	@75°C
Castor Oil	Soluble (Clear Solution)	Soluble (Clear Solution)
Mineral Oil	Soluble (Clear Solution)	Soluble (Clear Solution)
Propylene Glycol	Insoluble	Insoluble
Glycerine	Slight	Slight
Ethyl Acetate	Soluble (Clear Solution)	Soluble (Clear Solution)
Ethyl Alcohol	Slight	Slight
Water	Insoluble	Insoluble
FANCORSIL® A	Slight	Soluble (Clear Solution)
Isopropyl Myristate	Soluble (Clear Solution)	Soluble (Clear Solution)

LEVELS OF USE

The level of use of the FANCOR MEADOWFOAM SEED OIL will depend on the formulation. Typical addition levels are 1-100%.

COMPATIBILITY

FANCOR MEADOWFOAM SEED OIL is compatible with most raw materials used in cosmetics and toiletries.

TOXICITY

Care is taken to ensure that the ingredients used in the FANCOR MEADOWFOAM SEED OIL additive are not known to be injurious to health in any way and have been toxicologically tested to ensure their safety. However, the FANCOR MEADOWFOAM SEED OIL additive has not been subjected to testing involving the use of animals within the last 10 years.

STORAGE TEMPERATURES

Keep container sealed and store at room temperature.

SHELF LIFE

FANCOR MEADOWFOAM SEED OIL has a shelf life of 2 (two) years from date of manufacture.

SAFETY

Before using this product, please consult our MSDS.

ECOCERT

FANCOR MEADOWFOAM SEED OIL is approved by Ecocert Greenlife in accordance with the Natural and Organic Cosmetics standards.

USA Head Office

Elementis Specialties, Inc.
469 Old Trenton Road
East Windsor, NJ 08512
USA
Tel.: +1 609 443 2500
Fax: +1 609 443 2422

Europe

Elementis UK Ltd
c/o Elementis GmbH
Stolberger Strasse 370
50933 Cologne
Germany
Tel.: +49 221 2923 2000
Fax: +49 221 2923 2011

Malaysia

Elementis Specialties, Inc.
Lot PT 55, 64 & 65
Jalan Hulu Tinggi 26/6
Seksyen 26
40400 Shah Alam
Selangor Darul Ehsan
Malaysia
Tel.: +60 3 5191 9979
Fax: +60 3 5191 6811

China

Deuchem (Shanghai) ChemicalCo., Ltd.
99, Liyang Road
Songjiang Industrial Zone
Shanghai
China 201613
Tel.: +86 21 5774 0348
Fax: +86 21 5774 3563