

MEADOWFOAM SEED OIL REFINED

PRODUCT DATA SHEET



MEADOWFOAM SEED OIL is a Natural Refined Vegetable Oil obtained from the seeds of Meadowfoam (*Limnanthes alba*).

MEADOWFOAM is native to northern California, southern Oregon, Vancouver Island and British Columbia. Their seeds contain about 20-30% of oil.

MEADOWFOAM SEED OIL is extraordinarily stable, primarily because it contains over 98% long chain fatty acids. It contains about 60% of Eicosenoic acid (omega 9 fatty acid). It will actually prolong the shelf life of less stable ingredients.

MEADOWFOAM SEED OIL is an excellent moisturizer in emulsion-based products due to high water absorption ability, extreme high oxidative stability (one of the most stable oils), gives non-greasy feel and good pigment wetting properties in color cosmetics.

TECHNICAL DATA

Appearance:	Clear light yellow oily liquid, with minimum odour
Free fatty acids:	≤ 0.5 %
Peroxide value:	≤ 1.0 meq O ₂ /kg
Specific gravity:	0.90 - 0.92 g/ml
Saponification value:	160 - 175
Iodine value:	89 - 105

Fatty Acid	Composition
C 20:1	58 - 64 %
C 22:1	13 - 19 %
C 22:2	15 - 21 %

APPLICATION

MEADOWFOAM SEED OIL is an ideal ingredient that is easily incorporated in all kinds of cosmetic formulations, from rinse-off to leave-on products.

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MEADOWFOAM SEED OIL may be applied directly to the skin and hair. It may also be easily incorporated as an active ingredient or an ideal carrier in skin and hair care products. The recommended dosage is between 3 to 10 %.

MEADOWFOAM SEED OIL can also be used directly as massage oil.

MEADOWFOAM SEED OIL is highly recommended to incorporate in natural body care recipes because of its outstanding qualities. It is widely used in cosmetic and hair care products because it is moisturizing, extremely stable, and capable of adhering and staying on the skin.

MEADOWFOAM SEED OIL in hair care products will add shine and moisture to the hair, and may help to restore dry or damaged hair. When added to lotions and lip balms, it will re-moisturize dry or cracked lips and skin, and will make balms last longer.

OIL STABILITY INDEX (OSI)

The Oil Stability Index (OSI) was determined using a Rancimat instrument. The rapidity of oxidation of an oil depends on the degree of unsaturation, the presence of antioxidants, and prior storage conditions. In the OSI analysis, the rate of oxidation is slow until resistance to oxidation is overcome. This time is known as the oxidation induction period and it is a tool to determine the useful life of the oil.

MEADOWFOAM SEED OIL OSI: 65 hours (110 °C)

INCI Name: Limnanthes alba (meadowfoam) seed Oil.

MEADOWFOAM SEED OIL REFINED**CODE** 008030 **SPECIFICATION** **Nº** 00803001

PARAMETERS	SPECIFICATIONS	EDITION - 03/12/2008
Appearance	Clear light yellow oil	
Colour (Gardner)	max. 4	
F.F.A	max. 0.1 %	
Saponification Value	160 - 175 mg KOH/g	
Iodine Value	89 - 105 g I2/100 g	
Heavy Metals	max. 20 ppm	
Unsaponifiable	max. 2 %	
Peroxide Value	max. 1 (microg/ g)	
TYPICAL FATTY ACID COMPOSITION (%)		
C20:1	58- 64 %	
C22:1	13-19 %	
C22:2	15 - 21%	
Specific Gravity	0.90 - 0.92	

PACKING**REMARKS**
