

SUNFLOWER OIL WINTERIZED

PRODUCT DATA SHEET



SUNFLOWER OIL is a Refined, winterized Vegetable Oil that is a natural source of essential fatty acids, a combination of monounsaturated and polyunsaturated fats with low saturated fat levels. It also has beneficial amounts of lecithin.

SUNFLOWER OIL is rich in Vitamins A, C, D and E. The high Vitamin E content makes this oil especially helpful for delicate and dry skin. It has a minimal colour level and is a virtually

odourless vegetable oil.

Studies using sunflower oil have been conducted involving pre-term infants that are often susceptible to infection due to their underdeveloped skin. Research suggests that pre-term infants with low birth weight can benefit from sunflower oil skin treatments. Infections decreased by 41% in infants that received a daily skin treatment of sunflower oil. The sunflower oil provided a protective barrier against infection that was not otherwise present on the infant¹.

TECHNICAL DATA

Appearance:	Pale yellow, oily liquid with minimum odour
Acidity index:	≤ 1.00 mg KOH/g
Peroxide value:	≤ 1.0 meq O ₂ /kg
Specific gravity:	0.90 - 0.93 g/ml

Fatty Acid	Composition
Palmitic acid	5 - 8 %
Stearic acid	2.5 - 7 %
Oleic acid	17.3 - 30 %
Linoleic acid	58 - 70 %
Linolenic acid	Max. 0.3 %

¹ <http://www.medscape.com/viewarticle/501077>

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APPLICATION

SUNFLOWER OIL offers an excellent source of essential fatty acids. Functional applications for this oil include use as a dairy substitute, and in the manufacture of confectionery items.

In cosmetic applications, **SUNFLOWER OIL** is an excellent emollient. It has moisturising, nourishing and conditioning properties, excellent skin feel and is easily absorbed. It is highly recommended for formulations designed to treat dry, weathered, aged, and damaged skin. It can be used in anhydrous products and in emulsions at a concentration of 1-100% of the oil phase.

INCI Name: Helianthus annuus (Sunflower) Seed Oil

CAS Number: 8001-21-6