

REFINED HAZELNUT OIL

PRODUCT DATA SHEET



The **HAZELNUT** tree is original from Asia but exactly when the hazelnut found its way from Asia to Europe is not known. Ancient Chinese manuscripts dating back 5000 years reveal that hazelnuts are one of the five sacred foods bestowed upon humans by the gods.

HAZELNUT OIL is a Refined Vegetable Oil from hazelnuts which are unusually high in oil; between 50% and 65% of the hazelnut weight.

HAZELNUT OIL is a limpid, pale yellow oily liquid, delicate in flavour and scent, with a slightly nutty quality. This oil contains about 75% Oleic acid and 20% Linoleic acid (Omega6).

A recent paper showed that **HAZELNUT OIL** has phospholipids which give greater and longer-lasting moisturizing potential to cosmetic emulsions¹.

HAZELNUT OIL also contains natural Vitamin E, B and some minerals. Vitamin E protects the cells from attacks by free radicals by neutralizing them. Vitamin E also helps in the reduction of scarring from wounds and on the appearance of stretch marks on the skin. **HAZELNUT OIL** is highly hydrating and nourishing due to the Omega 6 content.

TECHNICAL DATA

Appearance:	Pale yellow, oily liquid, with minimum odour
Acidity index:	≤ 0.50 mg KOH/g
Peroxide value:	≤ 5.0 meq O ₂ /Kg
Specific gravity:	0.91 - 0.92 g/ml

¹ MASSON P. ; MEROT F. ; BARDOT J. ; INFLUENCE OF HAZELNUT OIL PHOSPHOLIPIDS ON THE SKIN MOISTURIZING EFFECT OF A COSMETIC EMULSION Int. j. cosmet. sci. 1990, vol. 12, n°6, pp. 243-251

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HAZELNUT OIL is high in unsaponifiables and due to that fact it is slow to saponify. The oil also contains tocopherols (tocopherol) and phytosterols.

The elevated concentration of antioxidants in **HAZELNUT OIL** also provides a high stability to rancidity, allowing it to have an excellent shelf life.

HAZELNUT OIL is an excellent source of antioxidant polyphenols, which may play a role in preventing cancer and obesity.

APPLICATION



TEXTRON S HAZELNUT OIL is extremely versatile; an ideal ingredient that is easily incorporated in all kinds of cosmetics from rinse-off to leave-on products.

HAZELNUT OIL leaves a luxurious, silky feel on the skin. It may be easily incorporated as an active ingredient or an ideal carrier in the oily phase in skin and hair care products. Recommended dosage is between 3 and 10 %.

HAZELNUT OIL is an excellent emollient with moisturizing properties; it is very easily absorbed, leaving no oily residue. It is toning and helps to maintain skin elasticity.

HAZELNUT OIL is said to penetrate the top layer of the skin, being beneficial for oily or combination skins and effective on acne. It stimulates circulation blood flow and also has astringent properties.

TEXTRON S HAZELNUT OIL

- Reduces oiliness and refines pores.
- Helps to produce new elastin and collagen fibres.
- Restructures, bio-energizes, stimulates the synthesis of connective tissue constituents and therefore aids in cell regeneration.
- It is nutritional, energizing and remineralising.
- Can be used directly as massage oil.

INCI Name: Corylus Avellana (Hazel) nut Oil.

HAZELNUT OIL REFINED**CODE** 008022 **SPECIFICATION** **Nº** 00802205

PARAMETERS	SPECIFICATIONS	DITTON - 06/05/2002
Description	Pale yellow oily liquid almost odourless and with light taste.	
Identification	Complies with the standard.	
Solubility	Slightly soluble in ethanol 96 °. Soluble in chloroform and ether. Insoluble in water.	
Density (at 20°C) (g/cm ³)	0.910 - 0.920	
Acid value (mg KOH/g)	max. 0.5	
Peroxide value (Meq O ₂ /Kg)	max. 5	
Insaponifiables value	max. 1 %	
Iodine Value (gI ₂ /100g)	85 - 100	
CROMATOGRAPHY	FATTY ACID PROFILE	
palmitic	4.0 - 9.0 %	
palmitoleic	max. 0.6 %	
stearic	1.0 - 4.0 %	
oleic	68.0 - 85.0 %	
linoleic	9.0 - 20.0 %	

PACKING**REMARKS**

Keep full and well closed in a dry place and away from light.