

## GRAPE SEED OIL

### Refined

INCI CTFA : Vitis Vinifera (Grape) Seed Oil  
 European INCI : Vitis Vinifera Seed Oil  
 CAS : 8024-22-4, 68956-68-3  
 EINECS : 273-313-5

#### APPLICATIONS

Grape seed oil is used in numerous products like care creams for mature and damaged skin (around the eyes, for instance), hand creams and creams for personal hygiene. It is also used for lipsticks and shampoos for fine, oily, damaged and fragile hair.

#### BOTANY

Originating from Asia Minor, vine is a climbing plant belonging to the Ampelidaceae family. Its woody stem, called the stock, has leaf-bearing branches with clinging tendrils. Each sweet berry (grape) produced by the vine contains up to five seeds with an oil content of 10 to 13%.

#### PROPERTIES

Grape seed oil is highly interesting because of the presence of flavonoids, which are excellent antioxidants. Its high linoleic acid content also brings moisturizing, regenerating and restructuring properties. It is also valued for its emollient and film-forming properties.

#### TECHNICAL CHARACTERISTICS

<b>DENSITY AT 20°C:</b>	0.923 - 0.926	<b>COLOUR:</b>	yellowish-green
<b>OLEIC ACIDITY :</b>	max 1%	<b>ODOUR:</b>	slight

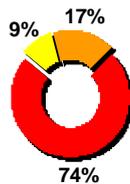
#### AVERAGE FATTY ACID COMPOSITION

##### Saturated Fatty Acids

Palmitic Acid C16: 0	6.4 to 9.7%
Stearic Acid C18: 0	3.0 to 6.8%
Arachidic Acid C20: 0	< 0.4%

##### Unsaturated Fatty Acids

Oleic Acid C18: 1	7.0 to 20.5%
Linoleic Acid C18: 2	68.0 to 75.7%
Linolenic Acid C18: 3	< 1.0%



- Saturated Fatty Acids (Cx : 0)
- Monounsaturated Fatty Acids (Cy : 1)
- Polyunsaturated Fatty Acids (Cz : 2 and 3)

#### PRODUCTION AND STORAGE CONDITIONS

**MANUFACTURING PROCESS :** Oil demucilaged, neutralized, dried, and decolourized using physical and chemical treatments

**STORAGE :**

**Before opening:** -keep away from light, heat (T<20°C) and in a dry place.

**After opening:** -keep the product in the original packaging away from light, heat (T<20°C) and in a dry place  
 -inert with 0.5 to 1L of gas (ex: nitrogen)/L of packaging,  
 -close quickly after using (t opening<15min).

**PACKAGING :** 4,6kg, 23kg Jerry cans and 200 kg drums.