



24 Madison Road, Fairfield, New Jersey 07004, USA  
Tel: 800-771-JEEN (5336), Tel: 973-439-1401, Fax: 973-439-1402,  
email: [info@jeen.com](mailto:info@jeen.com) , Website: [www.jeen.com](http://www.jeen.com)

### Grape Seed Oil

INCI: VITIS VINIFERA (GRAPE) SEED OIL

#### Product Description

Grape Seed Oil (Vitis Vinifera) is the refined oil obtained from a numerous variety of grapes. It is a highly polyunsaturated triglyceride oil that is stable in neutral and mildly acidic or alkaline systems. It is compatible with anionic, nonionic and cationic surfactants. Because of its molecular structure and being rich in both Vitamin A and Vitamin E, Grape Seed Oil is widely used in the cosmetic industry, thanks to its high fluidity and to its characteristic of being easily absorbed by the skin. Among the most interesting constituents of grape seeds are the polyphenols (catechins). These tannin compounds, also called procyanidins, leucoanthocyanins, pycnogenols or oligomeric proanthocyanidins (OPC) are powerful antioxidants. All the more reason that Grape Seed Oil is used extensively in the cosmetic industry. Known for its pleasant emollient properties and compatibility with lotions and surfactants, it has both soothing and healing effects on the skin. Also used for hair conditioning and styling, Grape Seed Oil imparts a rich silky luster. As noted, this oil pressed from Grape Seeds contains a number of essential fatty acids and is especially rich in Vitamin E compounds. Grape Seed Oil.....an ancient natural ingredient, for a new age.

#### Solubility:

Grape Seed Oil is miscible with mineral oil and isopropyl esters. It is insoluble in water.

#### Benefits:

- Antioxidant
- Strengthens connective tissue of the skin and fat chambers
- Stabilizes collagen and elastin, helping to improve elasticity and youthfulness of the skin.
- Protects and provides a defense against harsh environmental factors such as hot sunlight, free radicals (cigarette smoke, fluorescent lighting, air conditioning, etc).
- Comprised of deep nourishing benefits enabling quick healing of chapped, dry skin.
- Emollient properties highly compatible with lotions and surfactants
- Enhances hair growth and imparts a rich, silky luster to hair.
- A highly safe, efficient and cost effective ingredient
- Non-toxic, with no known irritants

#### Usage/Applications

Use @: 3-10%

Application: Universal

#### Specifications

<b>Free Fatty Acid (% as oleic):</b>	<b>0.5% Maximum</b>
<b>Specific Gravity @ 20° C:</b>	<b>0.9150 - 0.9240</b>
<b>Refractive Index:</b>	<b>1.473 - 1.476</b>
<b>Iodine Value:</b>	<b>123 - 143</b>
<b>Peroxide Value:</b>	<b>10 Meq/kg Maximum</b>

#### FATTY ACID PROFILE: (%)

<b>Palmitic</b>	<b>C16:0</b>	<b>6 - 8</b>
<b>Stearic</b>	<b>C18:0</b>	<b>2.0 - 4.5</b>
<b>Oleic</b>	<b>C18:1</b>	<b>15 - 25</b>
<b>Linoleic</b>	<b>C18:2</b>	<b>62 - 75</b>

#### COMPATIBILITY:

Grape Seed Oil is compatible with anionic, nonionic and cationic surfactants.

INCI: Vitis Vinifera

CAS#: 8024-2-4

EINECS#: 287-896-9

Japan Reference: JCIC (Ingredient Code: 520938)

Packaging: Drum

Weights:	Gross: 481 Lbs.	Tare: 40 Lbs.	Net: 441 Lbs.
	Gross: 218.18 Kgs.	Tare: 18.14 Kgs.	Net: 200.04 Kgs.

Packaging: Pail

Weights:	Gross: 43 Lbs.	Tare: 3 Lbs.	Net: 40 Lbs.
	Gross: 19.50 Kgs.	Tare: 1.36 Kgs.	Net: 18.14 Kgs.

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