



## Broccoli Seed Oil

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**INCI Name:** Brassica oleraceae var. Italica (Broccoli) Seed Oil

**Botanical Name:** *Brassica oleraceae*

**Broccoli Seed Oil** is prepared from the seeds of *Brassica oleraceae* and is unique among the vegetable oils. A proprietary process is used to cold-press the oil without using solvents, chemicals, or preservatives, so this is an extra-virgin, unrefined carrier oil. The process conforms to all provisions of the FDA and Health Canada, consistent with current GMPs.

Broccoli Seed Oil contains a fatty acid profile that gives it excellent absorption properties while offering significant film forming properties on the skin as well as on the hair, resulting in a natural glow on the skin and lustre on the hair. The fatty acid composition is unique and composed of approximately 50% Erucic Acid (22:1), an Omega-9 fatty acid. It also contains Arachidonic Acid (20:4), and is rich in Vitamin A (Retinol) at 1500 - 1800 IU / 100 g.

Its excellent anti-oxidant profile reduces greasiness while extending the shelf life of butters and balms, and makes it a desirable natural substitute for silicones where the film-forming activity results in natural shine and smoothing of the hair's cuticles while preventing oxidation.

Thus it is light and non-greasy, and it is easily and rapidly absorbed. It is particularly effective in hair-care preparations such as shampoos, conditioners, and styling products.

**Unrefined, Broccoli Seed Oil** does have a very distinct herbal odor so is best used in high dilution. Formulators will wish to develop a more attractive fragrance for products.

**Guidelines for general use are** up to 60%, and in:

- Skin Care Emulsions - 2 to 9%
- Body Emulsions - 2 to 15%
- Skin / Body Oils, Salves, Balms - 5 to 60%
- Lip Balms - 5 to 10%
- Shampoos / Cleansers - 2 to 5%
- Styling Products - 2 to 5%



**In summation, Broccoli Seed Oil can be used in** skin care creams, lotions, scrubs, cleansers; bath and body creams, lotions, scrubs, cleansers, but its performance excels in hair and scalp conditioners, styling products, and leave-in hair conditioning and styling sprays.

***Claiming any of its healing properties necessitates  
a DIN (Drug Identification Number)  
in both the U.S. and Canada.***



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