

**TIP** – Add to Smallest Amount of Water to make soluble first, then add to creams or formulations.

**INCI:** Ascorbic Acid

**100% L-Ascorbic Acid**

**Vitamin C**

**USP grade**

**No fillers** or preservatives of any kind.

**CAS#** 50-81-7

**Linus Pauling**, a Nobel Laureate considered vitamin C to be the most important substance for the human condition.

**It is a powerful antioxidant** (Sources: Advances in Experimental Medicine and Biology, 2002, number 505, pages 113–122; and Journal of Investigative Dermatology, February 2002, pages 372–379)

**The most common** form of Vitamin C is ascorbic acid. Available as both d-Ascorbic Acid and l-Ascorbic Acid. It is a powerful antioxidant capable of imparting a wide range of anti-aging functionality. Unfortunately, pure vitamin C or ascorbic acid, both d- and l- is difficult to stabilize and use in cosmetic formulations. Color shift and activity reduction occur as ascorbic acid rapidly converts to dehydroascorbic acid.

**As far as Vitamin C formulation** of increasing stability are: ascorbic acid, ascorbyl palmitate and BV-OSC, respectively. Also pure vitamin C is not the most active form for collagen synthesis and anti-oxidant. BV-OSC is an ester of Vitamin C which is able to penetrate, retain in the epidermis and to some extent, in the dermis. Its acid component is considered a skin irritant.

It is potent anti-oxidant (protects skin from oxidative damages e.g. by sun rays), anti-aging effects (improves skin elasticity by enhanced collagen production, avoids hyper pigmentation incl. age spots), anti-inflammatory & soothing effects. It is used in lotions, creams, sun care & after sun products, shampoos, makeup products (e.g. lipsticks) at use levels of 0.2-4 %.

#### **SIMILAR TO:**

GreatSkin(R) Vitamin C+25% Serum

Nutraceuticals(R) Serum C (Topical - 10% L-Ascorbic Acid)

EmerginC C-Forte(TM)

Cellex-C Advanced-C Skin Toning Mask (TM)

**Ascorbic Acid** - Vitamin C, also known the topical vitamin C, is available in many skin care products. Scientific data have shown that Vitamin C will help increase the amount of collagen production in the skin. It is also a natural anti-inflammatory that helps in reversing some of the effects of sun damage to the skin. By increasing the amount of collagen in the skin, the fine lines will be reduced. Vitamin C is one of the many active ingredients to topical agents sold on this web site, and can play a vital role in a regular skin care regimen.

**Ascorbyl Palmitate** - (Palmitic acid ester - Vitamin C Ester) A salt of ascorbic acid. It is used as a preservative and antioxidant to prevent rancidity. Vitamin C is thought to prevent collagen break down and help combat the signs of aging. As an antioxidant it is believed to remove the free radicals that cells produce. Free radicals have been associated with skin cancer and premature skin aging due to sun exposure. Some experts believe antioxidants are the most vital weapons in the fight against aging. Most of the damage of our skin is caused by a free-radical assault from smoke, pollution and UV rays. Free radicals then turn the oils of our skin rancid, which damages the collagen. Collagen is the protein fibers that serve as the building blocks of our skin. Antioxidants are used in skin care products to neutralize free radicals before they ravage the skin. Topical vitamin C may help lighten solar lentigos and melasma. Some studies have shown that topical vitamin C provides additional protection against the harmful effects of the sun. Said to prevent collagen breakdown, which would aid in combating aging. Duke University found that adding Vitamin C and E to sunscreens protects against UVB radiation.

**Please note:** We are Cosmetics creators, we do not recommend the ingestion of Ascorbic Acid or to cure, treat, mitigate or prevent disease or that affect the structure or function of the human body.