

# DERMASTIR® VITAMIN C A



DERMASTIR  
VITAMIN C



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## DERMASTIR VITAMIN C

### TOPICAL VITAMIN C IN AMPOULES

Topical vitamin C or ascorbic acid is a popular vitamin being added to skin care products. Currently there are many advertising claims of topical formulation containing antioxidants that will protect against and reverse aging. However, the truth is that many of the available formulations contain very low concentrations of antioxidants that are not well absorbed by the skin. Vitamin C on the other hand, in glass ampoules, is an antioxidant, which when manufactured into a stable topical formulation, is proven to be effective in protecting against photoaging of the skin.

**How does topical vitamin C work?** To understand how topical vitamin C works an understanding of the relationship between free radicals and antioxidants in the body is necessary.

Free radicals are molecules created as a by-product of oxygen metabolism as our bodies create energy at the cellular level. Basically, the oxygen molecule loses one electron, turning it into a free radical.

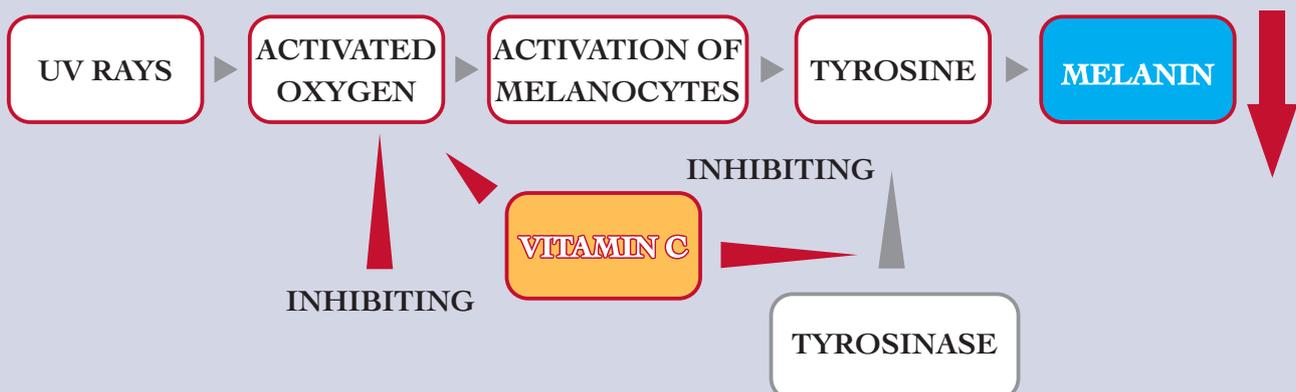
Free radical formation can also be augmented by external factors such as pollutants, sunlight, radiation, emotional stress, smoking, excessive alcohol, infection, and some drugs.

Free radicals float around the body looking for electrons to rebalance themselves. If necessary, free radicals steal electrons from normal healthy cells, this being the cause of various conditions ranging from accelerated ageing to deadly cancers.

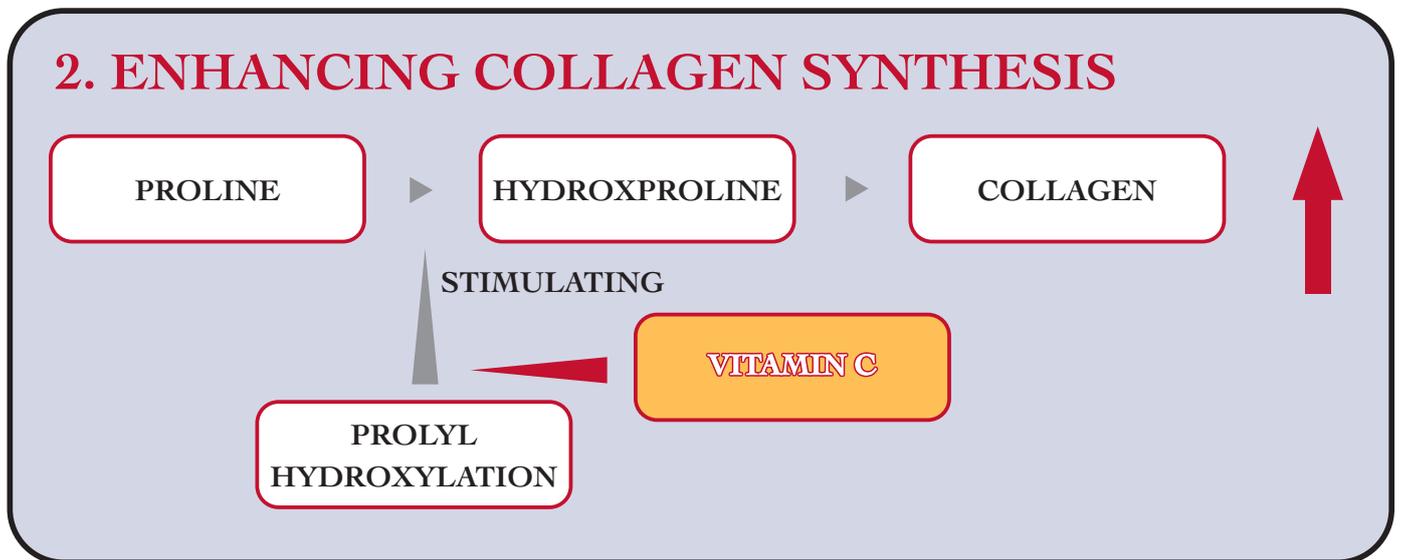
Antioxidants protect healthy cells by donating an electron to the free radicals. The body produces antioxidants naturally and we can also get them from the foods we eat and from supplements.

Topical vitamin C has shown to protect the skin from UV damage caused by prolonged sun exposure by reducing the amount of free radical formation and/or sunburn cells. Exposure to UV light has also shown to decrease the naturally occurring vitamin C levels in the skin, thus topical application of vitamin C restores these photoprotectant

### 1. SUPPRESSING MELANIN GENERATION



## 2. ENHANCING COLLAGEN SYNTHESIS



levels. Other studies also suggest that vitamin C may play a part in the collagen biosynthetic pathway by activating collagen metabolism and dermal synthesis of elastic fibres.

### What is topical vitamin C used for?

Studies have shown the following benefits of using topical vitamin C preparations:

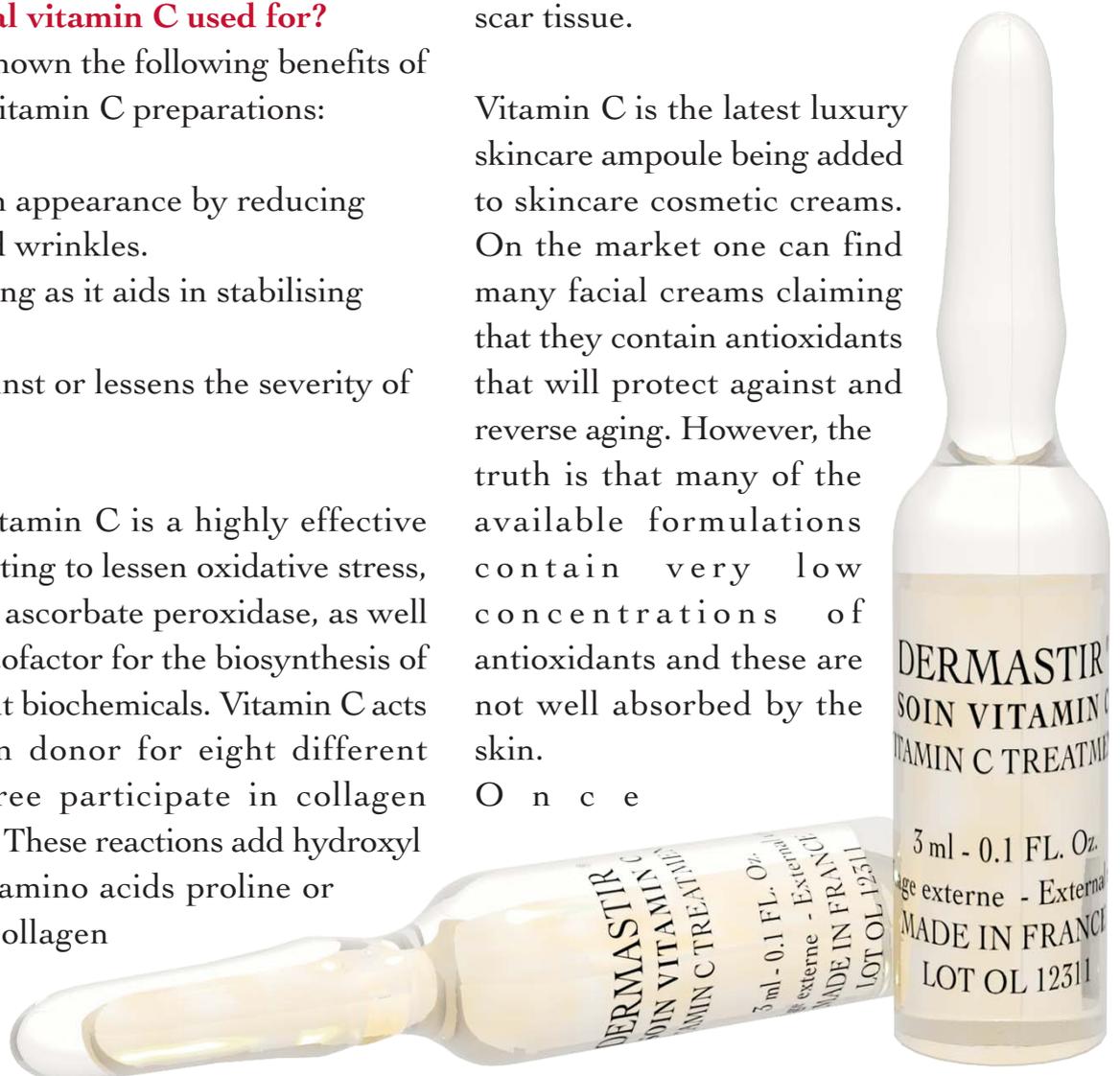
- Improve skin appearance by reducing fine lines and wrinkles.
- Wound healing as it aids in stabilising collagen.
- Protects against or lessens the severity of sunburns.

In humans, vitamin C is a highly effective antioxidant, acting to lessen oxidative stress, a substrate for ascorbate peroxidase, as well as an enzyme cofactor for the biosynthesis of many important biochemicals. Vitamin C acts as an electron donor for eight different enzymes: Three participate in collagen hydroxylation. These reactions add hydroxyl groups to the amino acids proline or lysine in the collagen molecule

(via prolyl hydroxylase and lysyl hydroxylase), thereby allowing the collagen molecule to assume its triple helix structure and making vitamin C essential to the development and maintenance of scar tissue.

Vitamin C is the latest luxury skincare ampoule being added to skincare cosmetic creams. On the market one can find many facial creams claiming that they contain antioxidants that will protect against and reverse aging. However, the truth is that many of the available formulations contain very low concentrations of antioxidants and these are not well absorbed by the skin.

O n c e





Vitamin C on the other hand, is an important antioxidant, which when manufactured into a stable topical formulation, is proven to be effective in protecting against photo aging of the skin. Once applied, concentrated Vitamin C cannot be washed or sweated off. Vitamin C skincare ampoules is a concentrate with an antioxidant which is very effective in protecting the skin against the free radicals of the sun. Free radical formation can also increase because of pollutants, radiation, emotional stress, smoking, excessive alcohol, infection, and some drugs.

When applied to the skin in skincare ampoule, Vitamin C has more benefits. Skin appearance is improved as it reduces fine lines and wrinkles. Vitamin C promotes wound healing as it stabilises collagen production. It is especially beneficial in summer as it is an added protection for the skin against the sun's rays. Vitamin C has a tendency to degrade rapidly; this is the reason why it is best presented in a glass skincare ampoule.

## **DIRECTIONS OF USE**

Break the top of the skincare ampoule. Distribute the precious serum directly on the skin or mix in a cream or in a mask. Massage delicately on the interested areas until completely absorbed.

## **NORMAL PROGRAMME**

Phase 1 : Apply one skincare ampoule every three days for a month.

Phase 2 : To consolidate the obtained results repeat phase 1.

## **INTENSIVE PROGRAMME**

Phase 1 : Apply one skincare ampoule on alternate days for a month.

Phase 2 : To consolidate the obtained results repeat phase 1.

## **WARNINGS**

Avoid contact with eyes and in case rinse eyes with water. The skincare ampoule tip must be broken by using a piece of cloth.