

Buriti Oil (virgin)

Description

Buriti is known in Brazil as the “tree of life”. It is a large palm tree, which can reach up to 35 meters, it grows in the floodplains of the Amazonian river. Buriti is a dioecious species, that means, the plant forms male and female individual organism and only those with female flowers fructify.

The natives believe that it is a sacred tree since it provides everything that is essential for human survival. They use it to build their houses, objects of utility and as source of food. In addition, Buriti Oil is an important medical treatment, against sunburns (relief and healing), for snake and scorpion bites (detoxifying, against allergic effects) and even internally against asthma (reduces cough, relieves breathing).

Buriti Oil (virgin) is a fruit oil extracted from the Buriti fruit pulp. The oil has a strong orange red / reddish colour, that is an indication for the high level of carotenoids, representing the highest concentration of beta carotene found in nature. Buriti Oil (virgin) is also very rich in fatty acids, especially oleic acid and natural tocopherol, which protects the skin against UV induced skin aging and dehydration.



iStock.com@Paralaxis

Appearance

reddish liquid with characteristic odor

INCI

Mauritia Flexuosa Fruit Oil

Registration

CAS-No.....394239-67-9

EC-No.....609-677-2

Preservatives / Stabilizers

none

Efficacy

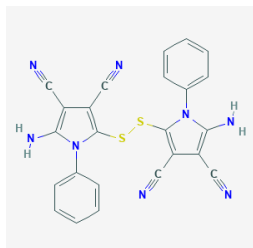
Due to its perfect combination of fatty acids with high concentration of natural beta carotene and natural tocopherol Buriti Oil (virgin) can be used in numerous cosmetic products. The use of Buriti Oil (virgin) with its high oxidative stability enhance the protection against UV induced skin aging, it protects the epidermal lipids from oxidation. Beta carotene is a precursor of Vitamin A, being a scavenger of singlet oxygen and free radicals.

Buriti Oil (virgin) increases the elasticity and decreases dryness of solar exposed skin. Buriti Oil (virgin) with the high content of fatty acids supports the regeneration of the lipids in stratum corneum, restructuring the protective lipid layer and leaves the skin looking more hydrated and healthier.

Due to the ability of beta carotene to absorb radiation in the range of visible and ultraviolet light, Buriti Oil (virgin) can be used to protect skin against sunlight and to improve SPF in a product. At the same time beta carotene is an excellent natural antioxidant, which protects skin cells against photo oxidative damage.

Buriti Oil (virgin)

Chemical Structure



©pubchem.ncbi.nlm.nih.gov

Molecular formula: $C_{24}H_{14}N_8S_2$

Characteristics

Fatty Acid Composition:

valeric acid.....	0.6 - 1.0 %
palmitic acid.....	14.0 - 19.0 %
stearic acid.....	1.5 - 6.0 %
oleic acid.....	55.0 - 75.0 %
linoleic acid.....	10.0 - 15.0 %
linolenic acid.....	0.5 - 1.5 %

Application

Buriti Oil (virgin) is excellent in different kinds of cosmetic formulations like skin care products, anti-aging, sun care, after-sun, children's products, body oils, sun tanning lipsticks.

Application concentration

anti-stress serum.....	10 %
sun protection formulation.....	up to 5 %
as antioxidant.....	0.2 %
creams.....	2 - 10 %
serum.....	up to 5 % in the presence of solubilizing agents with HLB = 10-12

Can be used up to 100 % concentration. Please note that in case of high concentrations discoloration of the skin can occur.

Incorporation

Buriti Oil (virgin) can easily be incorporated in the oil phase of the formulation. It is not soluble in water. The recommended temperature is up to 60°C.

Toxicology

non hazardous in normal use concentration

Storage & Shelf life

Store in a dry place at 10°C - 25°C, keep away from UV- light and heat.

In sealed containers Buriti Oil (virgin) has a shelf life of 18 months.

Selco Wirkstoffe Vertriebs GmbH

Straßburg 16
69483 Wald-Michelbach / Germany
Telefon +49 6207 922 80
Telefax +49 6207 922 810
www.gfn-selco.de
info@gfn-selco.de

Leaflet_7315_e
24.08.2020