

## Buriti oil

<b>Product:</b>	Buriti oil	<b>Colour:</b>	Reddish
<b>Code:</b>	PA3019	<b>Odour:</b>	Characteristic
<b>CAS Number:</b>	394239-67-9	<b>Solubility:</b>	Water insoluble
<b>INCI Name (CTFA):</b>	Mauritia flexuosa fruit oil	<b>Apperance:</b>	Viscous liquid

The buriti (*Mauritia flexuosa* L. f) is a palm that belongs to the family Palmae and in Brazil, belongs to the cerrado flora and can be found in the states of Para, Amazonas, Maranhao, Piaui, Bahia, Tocantins and Ceara.<sup>1</sup>

### Properties

Due to high  $\beta$ -carotene content, it can be used in the formulations of sunscreen and products for pre and post sun. Clinical tests showed that the addition of 5% of buriti oil in a sunscreen formulation resulted in a increase of about 20% in a final Sun Protector Factor (SPF) of the product when compared to a product with no have the addition of the buriti oil.<sup>2</sup>

### Indication

Buriti oil is rich in fatty acids, primarily oleic acid, which assists in the regeneration of the protective hydrolipidic barrier of the skin. Can be used in body creams and lotions, soaps and bath oil. It also has utility in formulations for the treatment of scalp.<sup>3</sup> Studies have shown that the addition of 5% of buriti oil to a conditioner formulation has improved the resistance of the hair fiber in chemically dyed hair.<sup>4,5</sup>

### Quality / Differential

#### **Product 100% Natural**

One of the differentials to be highlighted from the oils and vegetable butters produced by Citróleo is that during its process of obtaining, they are not submitted to the refining stage. It would be at this stage that they would be exposed to high temperatures in order to be neutralized, clarified and deodorized. However, this type of technique degrades several biomolecules of high nutritional value, naturally present in oils and butters, such as vitamins (responsible for benefits such as antioxidant power) and thermo sensitive carotenoids (which act to maintain the health of the skin). Already in the process of obtaining cold pressing, used by Citróleo, the fruits are selected and the natural maturation time is respected, preserving their compounds and guaranteeing their properties, since they do not undergo the thermal stress of refining.

### **Product 100% Pure**

Another important differential is that the company does not perform any kind of blend for adulteration of the oils and butters it produces, since the oils used for this purpose have no nutritional benefit or any value that can be added in a final cosmetic. Thus, the plant products offered by Citróleo maintain their natural aspects, like characteristic color and odor, physical form and actual concentration of the substances of interest.

### **Dosage / Usual Concentration**

The dosage ranges from 0.5 to 5% according to the product to which the oil is intended.

### **References**

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- [2] SILVA, C.R. da. Bioativos tropicais com eficácia comprovada. *Cosmetics & Toiletries*, v. 14, n. 1, p. 42-46, jan./fev. 2002.
- [3] VANESSA FERNANDES DE ARAÚJO, ANDREA CAMILA PETRY, ROSÂNGELA MARTINEZ, ECHEVERRIA, ERIC COSTA FERNANDES E FLORIANO PASTORE JR. *Plantas da Amazônia para Produção Cosmética*. Universidade de Brasília - UnB, 2007.
- [4] MORES, D. Buriti. *Planta Alimentícia: de volta as raízes*, p.4-5, jan./fev. 1996
- [5] CRODA. *Crodamazon*, jul. 2002. (Catálogo).