

MFULA MARULA SEED OIL



Botanical & Traditional Context

Marula trees are widely distributed throughout the semi-arid savannahs of eastern and southern Africa. Pollination of the tree's delightful flowers produces one of Africa's botanical gems – the marula fruit, which ripens from January until April.

The size of golf-balls, ripe marula fruit consists of an exotic tasting juicy white pulp, which is used to produce alcoholic beverages. Enclosed within the pulp is a tightly-held brown-coloured nut, which consists of 2-3 fragile, yet prized marula kernels.

In southern Africa, marula oil has been used as an emollient for babies, and in body lotions for face, feet and hands to address dry and/or cracking skin.

The word 'mfula' means to extract natural radiance in the African language of Chichewa.

Product Name & Variants

Mfula Marula Oil – Unrefined
Mfula Marula Oil – Refined.



Ingredients

Contents: 100% Sclerocarya birrea seed oil.
Stabilizers: Blanketed with nitrogen.

Registration and Regulatory

INCI: Sclerocarya Birrea (Marula)
Seed Oil
CAS No: 68956-68-3
EINECS No: 273-313-5
ABS/Nagoya: Compliant
REACH Status: Exempt - natural product.

Key Application/s

Cleansing and moisturising
Hydration
Occlusive
Anti-oxidant.

Key Content

High oleic, coupled with palmitic and stearic fatty acids.
High unsaponifiable fraction
Exceptionally high levels of β -sitosterol and Δ 5-avenasterol.

Benefits

Radical scavenger
Anti-inflammatory.

Physiochemical Properties

Property	Unrefined	Refined
Physical state at 20°C	Pale - golden yellow colour, liquid form, with characteristic odour.	Clear – pale yellow colour, liquid form, with no-low odour.
Acid Value (mg KOH/g)	0.0 – 10.0	0.0 - 5.0
Peroxide Value (mEq O ₂ /kg)	0.0 - 7.0	0.0 - 2.0
Saponification Value (mg KOH/kg)	188 – 200	
Unsaponifiable Matter (%)	0.0 – 2.0	
Iodine Value (g/100g)	70 - 80	
Moisture (%)	0.0 - 1.0	
Key Fatty Acid Profile (%)	16:0 Palmitic acid:	6.0 – 15.0
	18:0 Stearic acid:	5.0 – 15.0
	18:1 Oleic acid:	70.0 – 80.0
	18:2 Linoleic acid:	3.0 – 10.0
	20:0 Arachidic acid:	0.0 – 2.0
	20:1 Eicosenoic (Gondoic) acid:	0.0 – 1.0
Solubility:	Soluble in cosmetics esters and vegetable oils; insoluble in water.	
Shelf Life/Retest:	24 months	30 Months

Formulation and Usage (Indicative)

Category	Form	% Usage (Up to)
Soaps	Hand soap bars, liquid soap	15
Bath additives	Bath wash, after bath/moisturising oil	10/100
Facial skin care	Cleansing gel, facial serum, makeup primer	5
Hand & body care	Moisturising cream, hydration lotion, body massage	10/100
Hair care	Shampoo, conditioner, scalp mask, leave-in-lotion	5
Lip care	Lip balm, lip repair cream, lipstick	10

Toxicology

Non irritating to skin and eyes. Non-toxic.

Storage

To prolong shelf life, store in dry and light protected locations at ambient temperatures.

Supply & Production Chain

Seed Origin/s: South Africa, Namibia or Zimbabwe

Manufacture & Locations: Cold-pressed in Germany, and physically refined in European (refer CoA) ISO 9001-, HACCP–certified and food-grade facilities.

Laboratory Testing: Independent and accredited EU laboratories.

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