

BIOCHEMICA® MATCHA GREEN TEA

INCI Name: Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Vegetable Oil, Camellia Sinensis Leaf Powder

Product Code: GTB1

CAS #: 90320-37-9, 68334-28-1, 84650-60-2

EINECS: 291-063-5, 269-820-6, 283-519-7

Brand: Biochemica®

Biochemica® Matcha Green Tea butter is produced from the microfine powder of ground *Camellia sinensis* (green tea) leaves. The leaves are dried and then ground into a powder. Used by Asian philosophers and poets for over 1200 years in rolled cakes and elixirs, matcha is also valued for use in cosmetics and toiletries due to its high content of polyphenols, epigallocatechin gallate (EGCg) and xanthines. Green tea can protect the skin from aging and serious damage in general from the sun's UVB rays. Xanthines present in matcha, such as Caffeine and Theobromine, have natural anti-inflammatory, anti-cellulite and anti-irritancy effects. When a non-covalent bond forms between a xanthine and polyphenol, the skin protecting characteristics are greatly enhanced. Now add in the fact that EGCg is an antioxidant that is 20 times stronger than tocopherol and over 65 times stronger in antioxidant properties than the average fruit or vegetable, while also being an insatiable free radical scavenger, and it is plain to see the skin protection potential that the active ingredients in matcha provide.

Biochemica® Matcha Green Tea butter is produced using finely ground green tea leaf powder, and blending it into a proprietary blend of *Prunus amygdalus dulcis* (sweet almond) oil and select hydrogenated vegetable oils to produce a butter-like material suitable for use in cosmetics and toiletries. Biochemica® Matcha Green Tea butter may be used in body care, soaps, facial creams, lotions and sunscreens to impart moisturization, particularly for dry, damaged skin (i.e., eczema, psoriasis and mastalgia.)

Features & Benefits:

- Anti-aging (anti-elastase & anti-collagenase) Agent
- Anti-acne active
- Anti-dandruff active
- Anti-psoriasis active
- Anti-seborrheic dermatitis active
- Anti-inflammatory Agent
- Anti-oxidant

- Biodegradable
- Colorant
- Dermal Barrier Function Restoration
- Dermal Moisture Content Balancing
- Feel Modification/Enhancement
- Film Former
- Hair Conditioning Agent
- Healing Promotion
- Moisturizing Agent
- Natural Product
- Plant Derived / Vegetal Based
- Skin Hydration Agent
- Skin Protectant
- Skin Protectant (anti-radical properties)

Appearance	Deep green soft butter (fat)
Odor	Characteristic vegetable
Melting Point (°C)	40 - 50
Saponification Value (mg KOH/g)	175 - 200
Iodine Value (gl2/100g)	60.0 - 80.0
Acid Value (mg KOH/g)	0.0 - 2.0
Peroxide Value (meq/kg)	0.0 - 5.0
Insoluble In	Water
Soluble In	Cosmetic Esters Vegetable Oil
Packaging	Pail - 25kgs

Regional Approvals:

- China
- US

Applications:

- After Sun Skin Care
- Beach Wear Sun Care

- Cleansing Wipes
- Daily Wear Sun Care
- Facial Color Cosmetics
- Facial Skin Care
- Foot Care
- Hair Conditioners
- Hand & Body Care
- Lip Care
- Massage Products
- Shampoos
- Shaving Products
- Shower Gels/Body Washes

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