

DESERTESSENTIALS DAILY MOISTURIZER

Jojoba oil-based, daily-use moisturizer that soothes and helps nourish skin, with a hypoallergenic profile.

Formulated with **TRIS AMINO™ ULTRA PC** for outstanding neutralization of PBSA, and excellent synergistic effect with stearic acid and carbomer.



Phase	Trade Name	INCI Name	Supplier	%	
A	1	OM-Cinnamate	Octyl Methoxycinnamate	Making Cosmetics	1.50
	2	Capric/Caprylic Triglycerides	Capric/Caprylic Triglycerides	The Personal Formulator	7.00
	3	Joboba Oil	Simmondsia Chinensis (Jojoba) Seed Oil	Making Cosmetics	3.00
	4	Isopropyl Myristate	Isopropyl Myristate	Making Cosmetics	3.00
	5	Vitamin E (dl-alpha tocopheryl acetate)	Tocopheryl Acetate	Making Cosmetics	0.20
	6	Sorbitan Oleate	Sorbitan Oleate	Making Cosmetics	1.00
	7	Stearic Acid	Stearic Acid	Making Cosmetics	1.00
	8	CreamMaker® Blend	Glyceryl Stearate (and) PEG-100 Stearate	Making Cosmetics	1.00
	9	Cetyl Alcohol	Cetyl Alcohol	Making Cosmetics	1.00
	10	Titanium Dioxide, Micronized	Titanium Dioxide (and) Aluminum Hydroxide (and) Lauric Acid	Making Cosmetics	5.00
B	11	-	Aqua (water)	-	46.45
	12	Disodium EDTA	Disodium EDTA	Research Products International Corp.	0.10
	13	Propylene Glycol	Propylene Glycol	Making Cosmetics	2.00
	14	Glycerin	Glycerin	Making Cosmetics	2.00
	15	Carbopol® Ultrez 10 Polymer	Carbomer	Lubrizol	0.50
	16	Xanthan Gum	Xanthan Gum	Making Cosmetics	0.50
	17	TRIS AMINO™ Ultra PC	Tromethamine	ANGUS	1.50
C	18	-	Aqua (water)	-	20.00
	19	2-Phenylbenzimidazole-5-Sulfonic Acid	Phenylbenzimidazole Sulfonic Acid	ACROS	1.75
D	20	Allantoin USP	Allantoin	Making Cosmetics	0.50
	21	Phenoxyethanol SA	Phenoxyethanol (and) Sorbic Acid (and) Caprylyl Glycol	Making Cosmetics	1.00

Procedure (hot process):

- Combine, in order, ingredients 1-9 of Phase A and begin heating to 85 °C with stirring.
- When Phase A is homogenous add Titanium Dioxide slowly and mix until fully dispersed.
- In separate vessel, combine ingredients 11-15 of Phase B in order and allow for Carbomer to disperse and fully hydrate.
- Begin heating Phase B to 85 °C, and slowly add Xanthan Gum above 50 °C. Stir until fully dispersed.
- Once both vessels are at temperature add Phase A to Phase B under high shear mixer (9000 rpm).
- Homogenize until creamy, then add Phase C as a homogenous solution. Homogenize at 9000 rpm until thoroughly mixed.
- Move to blade/paddle mixer and continue to mix slowly while cooling.
- When temperature is below 50 °C add ingredients of Phase D and homogenize under high shear until fully mixed. Move back to paddle mixing and Q.S. for any water loss.
- Continue slow mixing for 10 minutes.

Comments:

Appearance: White, creamy lotion

pH = 6.7

Viscosity: 18000 cP (Brookfield RVDV-II +, SC4-27, 10 rpm, 20 °C, 1 min)

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