

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 2-Ethylhexyl Salicylate	Ethylhexyl Salicylate	Sigma-Aldrich	4.50
	2 C12-15 Alkyl Benzoate	C12-15 Alkyl Benzoate	Making Cosmetics	7.50
	3 Jojoba Oil	Simmondsia Chinensis (Jojoba) Seed Oil	Making Cosmetics	7.50
	4 Vitamin E (DL-Alpha Tocopheryl Acetate)	Tocopheryl Acetate	Making Cosmetics	0.20
B	5 Oxybenzone	Benzophenone-3	Making Cosmetics	1.00
	6 Sorbitan Oleate	Sorbitan Oleate	Making Cosmetics	1.00
C	7 Stearic Acid	Stearic Acid	Making Cosmetics	1.00
	8 CreamMaker® Blend	Glyceryl Stearate (and) PEG-100 Stearate	Making Cosmetics	1.00
	9 CreamMaker® CA-20	Cetearyl Alcohol (and) Ceteareth-20	Making Cosmetics	1.00
D	10 -	Aqua (water)	-	32.00
	11 TRIS AMINO™ Ultra PC	Tromethamine	ANGUS	1.50
	12 Disodium EDTA	Disodium EDTA	Research Products International Corp.	0.10
	13 2-Phenylbenzimidazole-5-Sulfonic Acid	Phenylbenzimidazole Sulfonic Acid	ACROS	1.75
	14 Propylene Glycol	Propylene Glycol	Making Cosmetics	2.00
	15 Glycerin	Glycerin	Making Cosmetics	2.00
E	16 -	Aqua (water)	-	q.s.
	17 Carbopol® Ultrez 10	Carbomer	Lubrizol	1.00
F	18 Dimethicone 500	Dimethicone	Making Cosmetics	3.00
	19 Titanium Dioxide	Titanium Dioxide (CI 77891)	Making Cosmetics	1.25
	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):

1. Combine ingredients of phase A in order.
2. When Phase A is homogenous add contents of Phase B.
3. Begin heating Phases A/B to 85 °C. Once Avobenzene has dissolved add Phase C.
4. In a second vessel combine ingredients of phase D and begin heating to 85 °C.
5. In another vessel combine water and carbomer (Phase E).
6. Once temperatures have reached 85 °C, combine phases A-E under high shear mixing until creamy. Remove heat source.
7. Move to blade/paddle mixer and continue to mix slowly while cooling.
8. When temperature is below 50 °C add ingredients of Phase F and homogenize under high shear until fully mixed. Move back to paddle mixing and Q.S. for any water loss.
9. Continue slow mixing until room temperature.

Comments:

Appearance: White, creamy lotion

pH = 5.5

Viscosity: 24000 cP (Brookfield RVDV-II +, S7, 20 rpm, 22 °C, 1 min)

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