SKINSHIELD MINERAL SUNSCREEN

Smooth, light and non-sticky cream that provides gentle broad spectrum sun protection for the face and body.

Formulated with **TRIS AMINO™ ULTRA PC** for excellent synergistic effect with stearic acid and carbomer, and enhanced dispersion of UV filters for easy application without leaving behind a white residue.



VERSASTYL

Phase	Tra	ide Name	INCI Name	Supplier	%
А	1	-	Aqua (water)	=	q.s.
	2	Disodium EDTA	Disodium EDTA	Research Products International Corp.	0.10
	3	Glycerin	Glycerin	Making Cosmetics	3.00
	4	Carbopol® Ultrez 10	Carbomer	Lubrizol	0.65
В	5	Isopropyl Myristate	Isopropyl Myristate	Making Cosmetics	3.00
	6	Capric/Caprylic Triglycerides	Capric/Caprylic Triglycerides	The Personal Formulator	5.00
	7	Stearic Acid	Stearic Acid	Making Cosmetics	2.00
	8	CreamMaker® Blend	Glyceryl Stearate (and) PEG-100 Stearate	Making Cosmetics	2.00
	9	CreamMaker® CA-20	Cetearyl Alcohol (and) Ceteareth-20	Making Cosmetics	2.00
С	10	TRIS AMINO™ Ultra PC	Tromethamine	ANGUS	1.40
	11	-	Aqua (water)	-	7.00
D	12	Titanium Dioxide, Micronized	Titanium Dioxide (and) Aluminum Hydroxide (and) Lauric Acid	Making Cosmetics	6.10
	13	Zinc Oxide, Micronized & Coated	Zinc Oxide (and) Triethoxycaprylylsilane	Making Cosmetics	3.10
E	14	Silicone Gel	Cyclopentasiloxane (and) Dimethicone Crosspolymer	Making Cosmetics	8.00
	15	Phenoxyethanol SA	Phenoxyethanol (and) Sorbic Acid (and) Caprylyl Glycol	Making Cosmetics	1.00

Procedure (hot process):

- Combine ingredients of phase A in order.
- When carbomer has "wet-out" begin heating to 85 °C.
- Heat ingredients of phase B to 85 °C.
- 4. When phase B is homogenous and at temperature combine with Phase A under high shear mixer and remove from heat source.
- 5. Mix under high shear mixer until creamy.
- Combine Phase C ingredients and once homogenous add to Phases A/B under high shear mixer.
- 7. Add Phase D under high shear mixer and continue to mix until well dispersed.
- 8. Move to blade/paddle mixer and continue to mix slowly while cooling.
- 9. Add ingredients of Phase E when temperature is below 50 °C homogenize under high shear until fully mixed. Q.S. for any water loss. Once fully mixed move back to slow mixing until room temperature.
- 10. Continue slow mixing until room temperature.

Comments:

Appearance: White viscous cream

pH = 7.4

Viscosity: 38000 cP (Brookfield RVDV-II +, S7, 20 rpm, 20 °C. 1 min)



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