

VERSASTYLE™

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.

ANGUS[®]
CHEMICAL COMPANY



Phase	Trade Name	INCI Name	Supplier	%	
A	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
	5	Isopropyl Myristate	Isopropyl Myristate	Making Cosmetics	3.00
	6	Capric/Caprylic Triglycerides	Capric/Caprylic Triglycerides	The Personal Formulator	5.00
B	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
C	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):

1. Combine ingredients of phase A in order.
2. When carbomer has “wet-out” begin heating to 85 °C.
3. 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.
6. 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)