

SKINSATIONAL™

SKINSAFE Sunscreen

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

Formulated with **TRIS AMINO™ ULTRA PC** for high-efficiency neutralization of stearic acid and effective dispersion of titanium dioxide even at low pH levels.

ANGUS[®]
CHEMICAL COMPANY

angus.com



Phase	Trade Name	INCI Name	Supplier	%
A	Water	Water	Aqua (Water)	56.87
	Disodium EDTA	Disodium EDTA	-	0.05
	Carbopol® Ultrez 30	Carbomer	Lubrizol	0.30
	Propylene Glycol	Propylene Glycol	-	3.00
	Promulgen™ D	Cetearyl Alcohol (and) Ceteareth 20	Lubrizol	3.00
	Isopropyl Myristate	Isopropyl Myristate	-	11.00
B	Polysorbate 80	Polysorbate 80	-	1.50
	TRIsatin	Glyceryl Stearate (and) Sodium Stearoyl Lactylate (and) Cetearyl Alcohol	TRI-K	1.50
	Stearic Acid	Stearic Acid	-	2.00
	SFE 839™	Cyclopentasiloxane (and) Dimethicone/Vinyl Dimethicone Crosspolymer	Momentive	5.00
C	Element 14 PDMS 100	Dimethicone	Momentive	6.00
	ST-455WS	Titanium Dioxide	Titan Kogyo	8.00
D	TRIS AMINO™ ULTRA PC	Tromethamine	ANGUS	0.28
E	Hydrolite® 6	1,2 -Hexanediol	Symrise	1.50
TOTAL				100.00

Procedure

- Mix Phase A ingredients under low shear (200 rpm) till the carbomer has completely "wet out."
- Heat Phase A and Phase B to 80-85°C. Add Phase B into Phase A while homogenizing.
- Add Phase C and D to Phase A/B until a homogenous mixture is achieved.
- Cool the mixture to 40-45°C before adding Phase E while mixing.
- Cool down the lotion before storage.

Stability

Stable for at least two months at room temperature to 50°C.

Comments

Appearance: White viscous emulsion
pH: 6.00