


Ingredient	Product Type	Market Focus	Function	Skin Types	Method	Snap Shot
	Tinted moisturizer	Woman	Protect	All	Hot Process	A tinted SPF 30 lotion with a low level of organic actives

Key Ingredients

Trade Name	INCI Name	Wt%
PHASE A		
CapSol™(Botaneco)	<i>Carthamus Tinctorius</i> (Safflower) Oleosomes and <i>Carthamus Tinctorius</i> (Safflower) Seedcake Extract	11.70
OMC	Ethylhexyl Methoxycinnamate	2.00
PHASE B		
Avobenzene	Butyl Methoxydibenzolmethane	0.75
Finsolv PG-22	Dipropylene Glycol Dibenzoate	2.70
PHASE C		
LipFeel Natural (Inolex)		1.80
Ascorbyl Palmitate	Ascorbyl Palmitate	0.25
Lexfilm Sun (Inolex)	Polyester-7 and Neopentyl Glycol Diheptanoate	2.25
PHASE D		
Water	Aqua	66.38
Keltrol CG- SFT (CP Kelco)	Xanthan Gum	0.30
Glycerin	Glycerin	3.50
Siligel (Lucas Meyer Cosmetics)	Xanthan Gum and Lecithin and Sclerotium Gum and Pellulan	0.40
TiO2/Glycerin (IFC Solutions)	Titanium Dioxide/ Glycerin	1.75
Yellow OX/ Glycerin (IFC Solutions)	Iron Oxides/ Glycerin	0.71
Brown Oxide/Glycerin (IFC Solutions)	Iron Oxides/ Glycerin	0.95
Black IO/Glycerin (IFC Solutions)	Iron Oxides/ Glycerin	0.31
PHASE E		
Preservative		1.00
PHASE F		
Gransil SiW-066 (Grant Industries)	Dimethicone, Polusilicone-11, Butylene Glycol, Aqua and Decyl Glucoside	1.50
Spheron L- 1500 (Presperse)	Silica	1.50
PHASE C		
Aristoflex AVC (Clariant)	Ammonium Acryloyldimethyltaurate/VP Copolymer	0.25

Procedure

1. Mix ingredients from Phase A together for 20 min at 400 RPM. Weigh together Phase B and heat to 45°C with mixing until completely dissolved. Cool to 25°C.

Sales & Technical Support

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2. Add phase B to phase A and mix for 20 minutes at 400 RPM. Add phase C with mixing until uniform.
3. In main beaker, premix glycerin with xanthan gum and add to water, Phase D. Mix until batch is a smooth, uniform gel. Add Siligel, mix until uniform. Add color grinds, mixing well until batch is uniform in color throughout.
4. Add Phase A/B/C to Phase D and mix for 20 minutes until uniform, keeping speed at 800 RPMs. Add phase E, mix well. Add Phase F one at a time and mix well between additions. Add Phase G and sweep material into batch until uniform.
5. Adjust batch to pH 5.25 - 5.50 with Sodium Hydroxide solution.