

Interpolymer offers several suggested formulations for Syntran[®] PC 5400.

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- 55% VOC Pump Hair Spray—Hard Hold F-18-68 **
- 55% VOC Pump Hair Spray—Medium Hold F-18-69
- 35% VOC Aerosol Hair Spray—Medium Hold F-18-70 **
- 55% VOC Aerosol Hair Spray—Medium Hold F-18-71 **
- Styling Gel F-18-85
- Conditioning Styling Gel and Texturizer F-24-01
- Moisturizing Styling Gel F-24-09 **
- Medium Hold Styling Lotion F-24-14
- Firm Hold Styling Lotion F-24-15 **
- Medium Hold Volumizing Mousse F-24-16
- Firm Hold Volumizing Mousse F-24-17 **
- 55% VOC Pump Hair Spray—Medium Hold F-24-18
- 55% VOC Pump Hair Spray—Firm Hold F-24-19 **
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- Firm Hold Crystal Spritz F-24-31
- High SPF Lotion F-24-88

** Samples readily available

55% VOC PUMP HAIR SPRAY—HARD HOLD
Formulation F-18-68-01

Quick drying 55% VOC formulation with firm hold and gloss. Excellent style support yet easily washes out of hair. Deposits flexible film with good adhesion to hair surface, combs out without flaking. Great humidity resistance.

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
SDA-40B 200Proof	Alcohol Denatured	55.00
Distilled Water	Water	14.45
AMP-95 (Angus)	Aminomethyl Propanol	0.40
Dow Corning 193 Fluid (Dow Corning)	PEG-12 Dimethicone	0.10
Crovol PK-70 (Croda)	PEG-45 Palm Kernel Glycerides	0.05
Phase B		
SYNTRAN PC 5400	Ammonium Acrylates Copolymer	10.00
SYNTRAN PC 5117	Polyacrylate-18 (and) Polyacrylate-19	20.00
AMP-95 (Angus)		Adjust to pH 8.0-8.5
	YIELD:	100.00

Procedure

Add ingredients to appropriate vessel as listed. Stir between each addition until batch is clear and homogenous.

Adjust pH at end with AMP-95 to 8.0 – 8.5.

Appearance: Product is a clear and homogenous solution.

3/2005

55% VOC PUMP HAIR SPRAY—MEDIUM HOLD
Formulation F-18-69-01.117

Quick drying 55% VOC formulation with medium hold. Excellent style support and gloss, yet easily washes out of hair. Deposits flexible film with good adhesion to hair surface, combs out without flaking. Superior humidity protection. Can be restyled or shaped after dry with styling iron or blow dryer without adding additional product to hair.

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
SDA-40B 190 Proof	Alcohol Denatured	55.00
Distilled Water	Water	19.45
AMP-95 (Angus)	Aminomethyl Propanol	0.40
DC 193 Fluid (Dow Corning)	PEG-12 Dimethicone	0.10
Crovol PK-70 (Croda)	PEG-45 Palm Kernel Glycerides	0.05
Phase B		
SYNTRAN PC 5400	Ammonium Acrylates Copolymer	5.00
SYNTRAN PC 5117	Polyacrylates-18 (and) Polyacrylates-19	20.00
AMP-95 (Angus)		Adjust to pH 8.0-8.5
	YIELD:	100.00

Procedure

Add ingredients to appropriate vessel as listed. Stir between each addition until batch is clear and homogenous.

Adjust pH at end with AMP-95 to 8.0 – 8.5.

Appearance: Product is clear and homogenous.

3/2005

35% VOC AEROSOL HAIR SPRAY—MEDIUM HOLD
Formulation F-18-70-01.117

Break-through 35% VOC aerosol formulation with firm hold and shine. Quick drying and high humidity resistant film provides excellent style support, yet easily washes out of hair. Combs out without flaking.

<u>Bulk Concentrate</u>	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
SDA-40B 200 Proof	Alcohol Denatured	70.00
AMP-95 (Angus)	Aminomethyl Propanol	0.50
Dow Corning 193 Fluid (Dow Corning)	PEG-12, Dimethicone	0.10
Crovul PK-70 (Croda)	PEG-45 Palm Kernel Glycerides	0.05
Phase B		
SYNTRAN PC 5117	Polyacrylates-18 (and) Polyacrylates-19	19.35
SYNTRAN PC 5400	Ammonium Acrylates Copolymer	10.00
	YIELD:	<u>100.00</u>

Procedure

Add ingredients to appropriate vessel as listed. Stir between each addition until batch is clear and homogenous. Adjust pH to 8.4 – 8.8 with AMP-95 at end, stir until homogenous. Product is a slightly turbid solution.

Final Formula:

		<u>Weight %</u>
Bulk concentrate	Bulk concentrate	50.00
Propellant	Hydrofluorocarbon 152A	50.00
	YIELD:	<u>100.00</u>

Precision-Valve Specifications:

020 MB Concave Kosmos
 016 S90
 Buna N S90
 018 X 013 S90
 Alum, Epon T/B, Cut Gasket

3/2005

55% VOC AEROSOL HAIR SPRAY—MEDIUM HOLD
Formulation F-18-71-01

Next generation 55% VOC aerosol formulation with medium hold and great gloss. Quick drying and high humidity resistant film provides excellent style support, yet easily washes out of hair. Combs out without flaking.

<u>Bulk Concentrate</u>	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
SDA-40B 200 Proof	Alcohol Denatured	70.00
AMP-95 (Angus)	Aminomethyl Propanol	0.50
Dow Corning 193 Fluid (Dow Corning)	PEG-12, Dimethicone	0.10
Crovol PK-70 (Croda)	PEG-45 Palm Kernel Glycerides	0.05
Phase B		
SYNTRAN PC 5400	Ammonium Acrylates Copolymer	10.00
SYNTRAN PC 5117	Polyacrylates-18 (and) Polyacrylates-19	19.35
	YIELD:	100.00

Procedure

Add ingredients to appropriate vessel as listed. Stir between each addition until batch is clear and homogenous. Adjust pH to 8.4 – 8.8 with AMP-95 at end, stir until homogenous. Product is a slightly turbid solution.

<u>Final Formula:</u>		<u>Weight %</u>
Bulk concentrate	Bulk concentrate	63.00
Propellant	Dimethyl Ether	10.50
Propellant	Hydrofluorocarbon 152A	26.50
	YIELD:	100.00

Precision-Valve Specifications:

020 MB Concave Kosmos
 013 S90
 Buna N S90
 013 X 013 S90
 Alum, Epon T/B, Cut Gasket

3/2005

STYLING GEL
Formulation F-18-85

A styling aide with medium control that smoothes hair and locks in a sleek, straight look. The formula is a light cream or gel. The package will be a pump or spray.

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
Distilled Water	Water	86.20
Dissolvine Na2S (Akzo Nobel)	Disodium EDTA	0.05
Glycerin	Glycerin	5.00
Ultrez 21 (Noveon)	Acrylates/C10-30 Alkyl Acrylate	
	Crosspolymer	0.70
TEA 99%	Triethanolamine	0.70
Phase B		
SYNTRAN[®] PC 5208	Polyacrylate-15	2.00
SYNTRAN[®] PC 5400	Ammonium Acrylates Copolymer	4.50
Phase C		
Liquid Germall Plus (ISP)	Diazolidinyl Urea, IPBC	0.70
Fragrance	Fragrance	0.15
	YIELD:	100.00
Adjust pH: 6.6-6.9		

2/2006

CONDITIONING STYLING GEL & TEXTURIZER

Formulation F-24-01

A styling aide that conditions and controls, delivering perfectly formed, frizz-free curls. The formula will provide a medium-hold for lasting definition. The package will be a pump or spray.

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
Distilled Water	Water	86.05
Dissolvine Na2S (Akzo Nobel)	Disodium EDTA	0.05
Glycerin	Glycerin	3.00
Ultrez 21 (Noveon)	Acrylates/C10-30 Alkyl Acrylate	0.80
DC 200 Fluid-20 Cst (Dow Corning)	Dimethicone	1.50
DC 200 Fluid – 100 Cst (Dow Corning)	Dimethicone	0.50
TEA 99% (Dow Corning)	Triethanolamine	0.80
Phase B		
SYNTRAN® PC 5208	Polyacrylate-15	2.00
SYNTRAN® PC 5400	Ammonium Acrylates Copolymer	4.50
Phase C		
Liquid Germall Plus (ISP)	Diazolidinyl Urea, IPBC	0.70
Fragrance	Fragrance	0.10
	YIELD:	100.00
Adjust pH: 6.5-6.75		

Procedure

Add purified water to main vessel and begin heating to 30-35° C. Begin moderate agitation and add Dissolvine and glycerin. Slowly sift Ultrez 21 into water and stir until completely hydrated. Add dimethicones and stir with high shear until adequately dispersed. Add TEA, as batch thickens switch to side sweep agitation, stir until homogenous. Slowly add Syntran polymers, and stir until homogenous. Individually add Phase C ingredients. Stir and cool batch to room temperature.

2/2006

MOISTURIZING STYLING GEL
Formulation F-24-09

A styling aide with medium control that smoothes hair and locks in a sleek, straight look. The formula is a light cream or gel. The package will be a pump or spray.

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
Distilled Water	Water	84.45
Dissolvine Na2S (Akzo Nobel)	Disodium EDTA	0.05
Glycerin	Glycerin	5.00
Butylene Glycol	Butylene Glycol	1.00
UltreZ 21 (Noveon)	Acrylates/C10-30 Alkyl Acrylate	
	Crosspolymer	0.80
TEA 99%	Triethanolamine	0.80
Phase B		
SYNTRAN® PC 5208	Polyacrylate-15	2.00
SYNTRAN® PC 5400	Ammonium Acrylates Copolymer	5.00
Phase C		
Liquid Germall Plus (ISP)	Diazolidinyl Urea, IPBC	0.70
Fragrance	Fragrance	0.10
	YIELD:	100.00
Adjust pH: 6.5 – 6.75		

3/2006

MEDIUM HOLD STYLING LOTION
Formulation F-24-14

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
Distilled Water	Water	78.68
Phase B		
Ritapan DL (RITA)	Panthenol	0.10
Amphosol HCG (Stepan)	Cocamidopropyl Betaine	0.30
Promois WG-SIG (RITA)	Hydrolyzed Wheat Protein	0.05
	PG Propyl Methylsilanediol	
Promois WG (RITA)	Hydrolyzed Wheat Protein	0.05
Glydant Plus Liquid (Lonza)	DMDM Hydantoin, IPBC	0.40
Phase C		
Brij 98 VEG (Uniqema)	Oleth-20	0.35
Fragrance	Fragrance	0.07
Phase D		
SYNTRAN[®] PC 5400	Ammonium Acrylates Copolymer	10.00
SYNTRAN[®] PC 5100	Polyacrylate-21 (and) Acrylates/ Dimethylaminoethyl Methacrylate Copolymer	10.00
	YIELD:	100.00%

pH = 7.6-7.8

Procedure

Add water to vessel and heat to 45°C. Add each Phase B ingredient. Stir between each addition until homogenous solution. Premix Brij 98 and fragrance and heat to 40-45°C. Add Phase C to Phase A/B. Stir until clear and homogeneous. Add **SYNTRAN[®] PC 5400** and **SYNTRAN[®] PC 5100**. Stir until homogeneous solution results. Appearance: Semi-translucent liquid.

FIRM HOLD STYLING LOTION
Formulation F-24-15

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
Distilled Water	Water	73.23
Phase B		
Ritapan DL (RITA)	Panthenol	0.10
Amphosol HCG (Stepan)	Cocamidopropyl Betaine	0.30
Promois WG-SIG (RITA)	Hydrolyzed Wheat Protein	0.30
	PG Propyl Methylsilanediol	
Promois WG (RITA)	Hydrolyzed Wheat Protein	0.30
Glydant Plus Liquid (Lonza)	DMDM Hydantoin, IPBC	0.35
Phase C		
Brij 98 VEG (Uniqema)	Oleth-20	0.35
Fragrance	Fragrance	0.07
Phase D		
SYNTRAN® PC 5400	Ammonium Acrylates Copolymer	10.00
SYNTRAN® PC 5100	Polyacrylate-21 (and) Acrylates/ Dimethylaminoethyl Methacrylate Copolymer	15.00
	YIELD:	100.00%

pH = 7.5-7.7

Procedure

Add water to vessel and heat to 45°C. Add each Phase B ingredient. Stir between each addition until homogenous solution. Premix Brij 98 and fragrance and heat to 40-45°C. Add Phase C to Phase A/B. Stir until clear and homogeneous. Add **SYNTRAN® PC 5400** and **SYNTRAN® PC 5100**. Stir until homogeneous solution results. Appearance: Semi-translucent liquid.

MEDIUM-HOLD VOLUMIZING MOUSSE

Formulation F-24-16

Pump-up volume without sacrificing manageability and shine. Unique high-tech polymers surrounds and supports each strand to give root-lift and bulk to fine hair. This medium-hold formula adds extreme gloss, style-support and texture.

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
Purified Water	Water	71.80
Dissolvine Na2S (Akzo Nobel)	Disodium EDTA	0.05
Phase B		
Brij 98 VEG (Uniquema)	Oleth-20	0.50
Fragrance	Fragrance	0.10
Phase C		
Ritapan DL (Rita)	Panthenol	0.20
Amphosol HCG (Stepan)	Cocamidopropyl Betaine	1.50
Glydant Plus Liquid (Lonza)	DMDM Hydantoin, IPBC	0.35
AquaPro II RP (MGP)	Hydrolyzed Rice Protein	0.50
Phase D		
SYNTRAN® PC 5400	Ammonium Acrylates Copolymer	10.00
SYNTRAN® PC 5100	Polyacrylate-21 (and) Acrylates/ Dimethylaminoethyl Methacrylate Copolymer	15.00
	YIELD:	100.00

Procedure

Warm water to 35-40° C with moderate stirring. Add Phase A ingredients. In a separate vessel melt Brij 98 (temperature not to exceed 45° C), add fragrance to melted Brij, stir until homogenous. Add Phase B to Phase A and stir until clear, homogenous mixture obtained. Individually add Phase C ingredients to batch, stir between each addition until clear and homogenous. Individually add Phase D ingredients, stir until homogenous. Cool to room temperature. pH 7.4-7.8

Fill into Airspray Foamer or prepare 6% VOC aerosol mousse using 94% base above and 6% A-46 propellant.

Final Formula:	<u>INCI Designation</u>	<u>Weight %</u>
Formula F- 24-16	Bulk concentrate	94.00
Propellant A-46	Propane (19.1%), Isobutane (80.9%)	6.00
	YIELD:	100.00

FIRM-HOLD VOLUMIZING MOUSSE
Formulation F-24-17

Pump-up volume without sacrificing manageability and shine. Unique high-tech polymers surrounds and supports each strand to give root-lift and bulk to fine hair. This firm hold formula adds extreme gloss, style-support and texture.

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
Purified Water	Water	77.90
Dissolvine Na2S (Akzo Nobel)	Disodium EDTA	0.05
Phase B		
Brij 98 VEG (Uniquema)	Oleth-20	0.50
Fragrance	Fragrance	0.10
Phase C		
Ritapan DL (Rita)	Panthenol	0.10
Amphosol HCG (Stepan)	Cocamidopropyl Betaine	1.00
Glydant Plus Liquid (Lonza)	DMDM Hydantoin, IPBC	0.35
Phase D		
SYNTRAN[®] PC 5400	Ammonium Acrylates Copolymer	10.00
SYNTRAN[®] PC 5100	Polyacrylate-21 (and) Acrylates/ Dimethylaminoethyl Methacrylate Copolymer	10.00
	YIELD:	100.00

Procedure

Warm water to 35-40° C with moderate stirring. Add Phase A ingredients. In a separate vessel melt Brij 98 (temperature not to exceed 45° C), add fragrance to melted Brij, stir until homogenous. Add Phase B to Phase A and stir until clear, homogenous mixture obtained. Individually add Phase C ingredients to batch, stir between each addition until clear and homogenous. Individually add Phase D ingredients, stir until homogenous. Cool to room temperature. pH 7.5-7.9

Fill into Airspray Foamer or prepare 6% VOC aerosol mousse using 94% base above and 6% A-46 propellant.

Final Formula:	<u>INCI Designation</u>	<u>Weight %</u>
Formula F- 24-17	Bulk concentrate	94.00
Propellant A-46	Propane (19.1%), Isobutane (80.9%)	6.00
	YIELD:	100.00

55% VOC PUMP HAIR SPRAY—MEDIUM HOLD

Formulation F-24-18

Quick drying 55% VOC formulation with medium hold and high gloss. Excellent style support yet easily washes out of hair. Deposits flexible film with good adhesion to hair surface, combs out without flaking. Great humidity resistance.

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
SDA-40B 200Proof	Alcohol Denatured	54.95
Distilled Water	Water	19.50
AMP-95 (Angus)	Aminomethyl Propanol	0.40
Dow Corning 193 Fluid (Dow Corning)	PEG-12 Dimethicone	0.10
Crovol PK-70 (Croda)	PEG-45 Palm Kernel Glycerides	0.05
Phase B		
SYNTRAN® PC 5400	Ammonion Acrylates Copolymer	15.00
SYNTRAN® PC 5100	Polyacrylate-21 (and) Acrylates/ Dimethylaminoethyl Methacrylate Copolymer	10.00
AMP-95 (Angus)		Adjust to pH 8.7-8.8
	YIELD:	<u>100.00</u>

Procedure

Add ingredients to appropriate vessel as listed. Stir between each addition until batch is clear and homogenous.

Adjust pH at end with AMP-95 to 8.7 – 8.8.

Appearance: Product is a clear and homogenous solution.

55% VOC PUMP HAIR SPRAY—FIRM HOLD
Formulation F-24-19

Quick drying 55% VOC formulation with firm hold and high gloss. Excellent style support yet easily washes out of hair. Deposits flexible film with good adhesion to hair surface, combs out without flaking. Great humidity resistance.

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
SDA-40B 200Proof	Alcohol Denatured	54.95
Distilled Water	Water	14.50
AMP-95 (Angus)	Aminomethyl Propanol	0.40
Dow Corning 193 Fluid (Dow Corning)	PEG-12 Dimethicone	0.10
Crovol PK-70 (Croda)	PEG-45 Palm Kernel Glycerides	0.05
Phase B		
SYNTRAN® PC 5400	Ammonium Acrylates Copolymer	15.00
SYNTRAN® PC 5100	Polyacrylate-21 (and) Acrylates/ Dimethylaminoethyl Methacrylate Copolymer	15.00
AMP-95 (Angus)		Adjust to pH 8.7-8.9
	YIELD:	100.00

Procedure

Add ingredients to appropriate vessel as listed. Stir between each addition until batch is clear and homogenous.

Adjust pH at end with AMP-95 to 8.7 – 8.9.

Appearance: Product is a clear and homogenous solution.

55% VOC AEROSOL HAIR SPRAY—FIRM HOLD
Formulation F-24-20

Next generation 55% VOC aerosol formulation with firm hold and great gloss. Quick drying and high humidity resistant film provides excellent style support, yet easily washes out of hair. Combs out without flaking.

<u>Bulk Concentrate</u>	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
SDA-40B 200 Proof	Alcohol Denatured	70.00
AMP-95 (Angus)	Aminomethyl Propanol	0.50
Dow Corning 193 Fluid (Dow Corning)	PEG-12, Dimethicone	0.10
Crovol PK-70 (Croda)	PEG-45 Palm Kernel Glycerides	0.05
Phase B		
SYNTRAN[®] PC 5400	Acrylates Copolymer	10.00
SYNTRAN[®] PC 5100	Polyacrylate-21 (and) Acrylates/ Dimethylaminoethyl Methacrylate Copolymer	19.35
	YIELD:	100.00

Procedure

Add ingredients to appropriate vessel as listed. Stir between each addition until batch is clear and homogenous. Adjust pH to 8.7 – 8.9 with AMP-95 at end, stir until homogenous. Product is a slightly turbid solution.

Final Formula:

		<u>Weight %</u>
Bulk concentrate	Bulk concentrate	63.00
Propellant	Dimethyl Ether	10.50
Propellant	Hydrofluorocarbon 152A	26.50
	YIELD:	100.00

Precision-Valve Specifications:

020 MB Concave Kosmos
 013 S90
 Buna N S90
 013 X 013 S90
 Alum, Epon T/B, Cut Gasket

FIRM-HOLD CRYSTAL SPRITZ
Formulation F-24-31

Fast drying formula can be used to shape and fix hair in any style. Leaves hair with glass-like sheen. Great for all hair styles. Leaves hair non-tacky, never oily. Flake-free formula has excellent style memory. Ideal for use in pump sprays.

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A		
SDA 40 B 190 proof	Alcohol Denat.	57.50
Deionized Water	Water	11.70
AMP-95 (Angus)	Aminomethyl Propanol	0.55
Lipocol HCO-40(LIPO)	PEG-40 Hydrogenated Castor Oil	0.20
Hydrotriticum WAA(Croda)	Wheat Amino Acids	0.05
Phase B		
SYNTRAN® PC 5400	Ammonium Acrylates Copolymer	10.00
SYNTRAN® PC 5100	Polyacrylate-21 (and) Acrylates/ Dimethylaminoethyl Methacrylate Copolymer	20.00
AMP-95 (Angus)	Aminomethyl Propanol	Adjust to pH 8.6-8.8
YIELD:		100.00

Procedure

Individually, add Phase A ingredients to appropriate vessel. Stir between each addition until homogenous. Individually add Phase B ingredients to Phase A, stir until solution clears. Adjust pH to 8.7.

Appearance: Clear liquid
pH: 8.6-8.8

HIGH SPF LOTION

Formulation F-24-88

Unique low viscosity lotion with novel SPF boosting polymers. Provides high SPF protection using a combination of organic and inorganic sunscreens. High protection with low organic actives. Low irritation potential. Moisturizing formula spreads easily and rubs in quickly.

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A-1 —Heat to 75°C		
Distilled Water	Water	57.85
Dissolvine Na2S (Akzo Nobel)	Disodium EDTA	0.05
Phase A-2		
Butylene Glycol	Butylene Glycol	2.00
Ticaxan Xanthan NF (TIC Gum)	Xanthan Gum	0.25
Phase A-3		
SYNTRAN® PC 5227	Polyacrylate-15 (and) Polyacrylate-17	3.00
Phase B—Add at 75°C		
Finsolv G-2 (Finetex)	C14-16 Alkyl Benzoate	3.00
Crodafos CES (Croda)	Cetearyl Alcohol (and) Ceteth-10 Phosphate (and) Dicapryl Phosphate	4.00
Procetyl AWS (Croda)	PPG-5-Ceteth-20	0.50
Escalol 577 (ISP)	Ethylhexyl Methoxycinnamate	7.50
Escalol 567 (ISP)	Benzophenone-3	5.00
Escalol 587 (ISP)	Ethylhexyl Salicylate	5.00
Tioveil FIN (Uniqema)	Titanium Dioxide Dispersion	4.00
TEA 99%	Triethanolamine	0.15
Phase C—Add at 75°C		
SYNTRAN® PC 5400	Ammonium Acrylates Copolymer	3.00
Phase D—Add at 60°C		
DC 245 Fluid (Dow Corning)	Cyclopentasiloxane	2.00
DC 200 Fluid 350 cst (Dow Corning)	Dimethicone	2.00
Phase E—Add at 45°C		
Liquid Germall Plus (ISP)	Propylene Glycol, Diazdidinyl Urea, IPBC	0.60
Fragrance	Fragrance	0.10
	YIELD:	100.00

pH 7.0 – 7.5

Procedure

Combine Phase A-1 ingredients and begin heating to 75°C. Premix Phase A-2 and add to A-1. Batch will thicken, adjust stirring to avoid aeration. At 75°C add Phase A-3. In a separate vessel add all Phase B ingredients, heat to 75°C until melted. Add Phase B to Phase A @ 75°C. Stir until homogeneous. Add Phase C. Cool to 55-60°C. Add Phase D ingredients at 60°C. Homomix. Cool slowly to 45°C, add Phase E. Adjust pH to 7.0-7.5 with TEA, if necessary. 1/07
In Vitro SPF = 50+; *Boo* score = 2.