

Personal Care Formulary



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SPECIALTIES

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ELEMENTIS

SPECIALTIES

pure in cosmetics

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SOOTHING AFTER SHAVE BALM

F-I003-01

A	Water	74.50
	Bentone® LT (Elementis Specialties)	0.60
B	Glycerin	3.00
	Disodium EDTA	0.10
	Bisabolol (BASF)	0.10
	Propylene Glycol	2.00
	Spectrastat (INOLEX)	1.00
	Panthenol	0.10
C	FANCOL® POLYISO® 200-CG (Elementis Specialties)	8.00
	MULTIPLE HYDRATION COMPLEX (Elementis Specialties)	2.00
	PEG-40 Hydrogenated Castor Oil	0.60
	Cetyl Alcohol	2.00
	Meadowlactone ® (Elementis Specialties)	1.00
	Fancol® CH	0.10
	Emulsifying Wax	4.00

Procedure:

1. Combine phase “A” ingredients and begin heating to 80°C with propeller mixing. Mix for 15 minutes until Bentone LT is completely hydrated.
2. Add phase “B” to phase “A” . Mix with moderate speed propeller mixing.
3. Heat phase “C” to 80°C and add to phase “A/B” with propeller mixing.
4. Begin cooling batch to room temperature.

SENSITIVE SKIN SHAVE CREAM

F-1002-01

A	Water	68.50
	Tetrasodium EDTA	0.10
B	Glycerin	4.00
	Bentone® LT (Elementis Specialties)	0.50
	Aloe Barbadensis Leaf Juice	2.00
C	Triethanolamine	0.50
	Sodium Hydroxide, 50% solution	0.15
D	Stearic Acid	10.00
	Emcon SUN (Elementis Specialties)	4.00
	Palmitic Acid (Alzo)	1.75
	Fancol® VB (Elementis Specialties)	2.00
	Meadowlactone ® (Elementis Specialties)	2.00
	Tween 60 (Croda)	1.00
	Lipomulse 165 (Lipo Chemicals)	1.20
	Meadowquat® HG-70 (Elementis Specialties)	1.00
E	Spectrastat E	1.00
	Fragrance (Trilogy Fragrances)	0.30

- Procedure:
- Combine phase “A” ingredients and heat to 85°C with propeller mixing while cover to reduce water loss.
 - Premix phase “B” ingredients and add to phase “A” with moderate speed propeller mixing.
 - Add phase “C” to combined phase “A/B” and mix until clear and uniform.
 - Heat phase “D” ingredients to 85°C and add to main batch with moderate speed propeller mixing. Hold temperature at 85 C for 10 minutes while mixing.
 - Begin cooling batch
 - At 50°C, add phase “E” ingredients to batch.
 - Continue mixing with propeller until batch reaches room temperature.

Viscosity: RV T-E @ 20rpm: 78,500cps pH: 7.14



MEADOWLACTONE® reduces the coefficient of friction, provides moisturization and contributes a luxurious skin feel for a smooth, comfortable shave.

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DAILY UV PROTECTING LOTION

S-1000-01

A	KF-6038 (Shin Etsu)	3.00
	SPD-T5 (Shin Etsu)	20.00
	SPD-Z5 (Shin Etsu)	10.00
	FANCOL® Abyshea (Elementis Specialties)	2.00
	Beeswax	1.00
B	Finsolv TN (Innospec)	8.00
	Deionized Water	52.00
	Sodium Chloride	0.50
	Euxyl K701 (Schulke & Mayr)	1.00
	Glycerin	3.00
C	Rheoluxe® 8015 (Elementis Specialties)	1.50

Procedure:

- Heat phase A ingredients to 60°C with propeller mixing.
- Combine phase B ingredients and mix until uniform. Heat phase B to 60°C,
- Very slowly, add phase B to phase A with moderate speed propeller mixing.
- Cool to room temperature under slow sweep mixing.

Viscosity: RV T-E @ 20rpm: 28,000cps

Rheoluxe® 8015 disperses quickly in water with standard mixing. It can be added at any point in the emulsion process.

HYDRATING SERUM

F-1000-01

A	Deionized Water	75.00
	Butylene Glycol	3.00
	Sodium Chloride	0.50
B	Multiple Hydration Complex (Elementis Specialties)	3.00
	Dow Corning 245 Fluid (Dow Corning)	4.50
	Dow Corning 200 Fluid 10cts (Dow Corning)	4.50
	Abil EM90 (Evonik)	2.00
	KF6017 (Shin Etsu)	1.00
	Crodamol ISNP-LQ (Croda)	3.00
C	Fancorsil A (Elementis Specialties)	2.00
	Euxyl K701 (Schulke & Mayr)	1.00
	Rheoluxe® 8015 (Elementis Specialties)	1.50
	Cucumber Extract	0.50

Procedure:

- Combine phase A ingredients with propeller mixing. Heat to 70°C.
- Combine phase B ingredients and heat to 70°C with propeller mixing.
- Slowly, add phase A to phase B with moderate speed propeller mixing.
- Cool to 45°C and add phase C ingredients to batch.
- Cool to room temperature with mixing.

Viscosity: RV T-E @ 20rpm: 28,500cps



LONG WEAR MASCARA

KR10/22

A	Water	52.75
	BENTONE® LT (Elementis Specialties)	0.75
B	FANCORSIL® LIM-1 (Elementis Specialties)	3.00
	Luviskol VA64 (BASF)	8.00
	Triethanolamine	1.00
C	Preservative	qs
	FANCOL® POLYISO® 275-CG (Elementis Specialties)	2.00
	Sunchroma Black Iron Oxide (Sun Chemicals)	6.00
	Copernicia (Carnauba) Wax (Koster Keunen)	5.00
	Beeswax (Azelis)	5.00
	Cutina MD (BASF)	5.00
	Snow White Pet USP (Calumet)	4.00
	Euphorbia Cerifera (Candelilla) Wax (Koster Keunen)	3.00
	Stearic Acid	2.00
	Tween 20 (Croda)	2.50

Procedure:

- Premix Red 6 Lake with FANCOR® Abyssinian Oil until pigment is completely wetted and dispersed with no agglomerations.
- Heat Phase B to 85°C and mix until homogeneous.
- At 85°C combine pigment premix Phase A and Phase B until thoroughly uniform. Cool to 65°C and fill into molds or appropriate packaging.

LIP GLOSS

KR9/I

A	BENTONE GEL® ABO V (Elementis Specialties)	3.50
	MEADOWESTOLIDE® (Elementis Specialties)	3.00
	Snow White Pet (Calumet)	12.90
	Colorona Red Brown (EMD)	7.50
	Syncrowax HGLC (Croda)	2.00
	Iron Oxide Yellow	0.30
B	Preservative	qs
	FANCOR® Abyssinian Oil (Elementis Specialties)	64.60
	Red 6 Lake (Sun Chemicals)	0.60
	Red 7 Lake (Sun Chemicals)	0.60

Procedure:

- Heat Phase A to 85°C and mix.
- Add premixed Phase B and mix.
- Cool to 55°C and fill.



OIL BASED EYE SHADOW

A	FANCOL® ID-CG (Elementis Specialties)	43.80
	BENTONE GEL® ISD V (Elementis Specialties)	10.00
	Hydrogenated Coco Glycerides	10.00
	Ozokerite	8.00
	Carnauba Wax	5.00
	Beeswax	2.00
	Propylparaben	0.20
B	Sun Prizma Concord Crush (Sun Chemical)	10.00
	Timiron Pearl Flake (EMD)	5.00
	Nylon-12	1.00
C	Rheoluxe® 880 (Elementis Specialties)	5.00

Procedure:

1. Combine Phase A and heat to 75-80°C.
2. Mix Phase A together using a Silverson Homogeniser.
3. Add Phase B and continue to mix for 15 minutes.
4. Transfer product to a stirrer.
5. Add Phase C at 1000rpm.
6. Increase speed to 2000rpm and mix for 10 minutes.
7. Pour off and allow to cool.

C-2000-02



MOISTURIZING CREAM LIPSTICK

A	Red 6 Lake CI 15850:2 (Sun Chemicals)	6.00
	FANCOR® Abyssinian Oil (Elementis Specialties)	25.00
B	EMCON® CO (Elementis Specialties)	22.85
	Copernicia Cerifera (Carnauba) Wax (Koster Keunen)	4.00
	Euphorbia Cerifera (Candelilla) Wax (Koster Keunen)	6.30
	Beeswax (Strahl & Pitsch)	2.00
	C12-15 Alkyl Benzoate (Innospec)	7.75
	Multiwax 180-W (Sonneborn)	5.60
	BENTONE GEL® TN V (Elementis Specialties)	10.00
	Talc (US Cosmetics Corp)	5.00
	Mica S-12 (Kobo)	2.00
	MEADOWESTOLIDE (Elementis Specialties)	3.00
	Euxyl K701 (Schulke & Mayr)	0.50

Procedure:

1. Premix Red 6 Lake with FANCOR® Abyssinian Oil until pigment is completely wetted and dispersed with no agglomerations.
2. Heat Phase B to 85°C and mix until homogeneous.
3. At 85°C combine pigment premix Phase A and Phase B until thoroughly uniform.
4. Cool to 65°C and fill into molds or appropriate packaging.

C-1000-01

SOOTHING EYE HYDRATION CREME

A	FANCOR® ABYSSINIAN OIL (Elementis Specialties)	4.00
	MULTIPLE HYDRATION COMPLEX (Elementis Specialties)	2.00
	Sweet Almond Oil	4.00
	Botanisil CPM-10 (Botanigenics)	2.00
	Botanisil PD 151 CS (Botanigenics)	2.00
	Abil EM90 (Evonik)	1.60
	Botanisil DM90 (Botanigenics)	1.60
	Xiameter 245 Fluid (Dow Corning)	7.00
	Citrol PG32IS LQ (Croda)	2.00
	Crodamol ISNP (Croda)	1.50
B	Deionized Water	59.80
	Glycerin	3.00
	Butylene Glycol	2.00
	Sodium Chloride	0.50
C	Euxyl K701 (Schulke & Mayr)	1.00
	Neutrazen (Lucas Meyer)	1.00
	Chamomile PB (Bio-Botanica)	1.00
	Green Tea Extract (Bio-Botanica)	1.00
	Cucumber Extract (Bio-Botanica)	1.00
	Rheoluxe® 8015 (Elementis Specialties)	2.00

Procedure:

1. Heat phase A and phase B to 70°C separately.
2. Very slowly, add phase B to phase A with moderate speed propeller mixing.
3. Cool to 40°C with slow mixing.
4. Add phase C ingredients to batch. Mix until uniform.
5. Cool to room temperature.

Viscosity: RV T-E @ 20rpm: 50,750cps

F-1001-01

Rheoluxe® 8015 is a Polyether Polyol associative thickener. It shows excellent viscosity build in silicone based systems.

ANTI-AGING NIGHT CREAM

BY-3129-88

A	ANTI-AGING SKIN COMPLEX (Elementis Specialties)	5.00
	FANCOR® MEADOWFOAM SEED OIL (Elementis Specialties)	3.00
	BENTONE GEL® MSO V (Elementis Specialties)	3.00
	AFRICAN HYDRATION COMPLEX (Elementis Specialties)	3.00
	Tegosoft DEC (Evolik)	6.00
B	Abil EM90 (Evolik)	3.00
	Beeswax (Strahl & Pitsch)	0.50
	Deionized Water	72.00
	Sodium Chloride	0.50
	Germaben II (Ashland)	1.00
C	Glycerin	3.00
	Color	qs
	Fragrance	qs
Procedure:		
1. Heat phase A ingredients to 70-75°C with propeller mixing.		
2. Combine phase B ingredients and mix until uniform. Heat phase B to 70-75°C,		
3. Very slowly, add phase B to phase A with Silverson homogenization.. Mix for 10 minutes.		
4. Transfer to propeller mixing and cool to 40°C.		
5. Add phase C ingredients and cool to room temperature under slow sweep mixing.		
Viscosity: RV T #7@ 10rpm: 65,000cps		
pH: 6.50		



ANTI-AGING LIP BALM

KR 10/9

A	ANTI-AGING SKIN COMPLEX™ (Elementis Specialties)	22.50
	Castor Seed Oil	46.90
	Beeswax	9.00
	Candelilla Wax (Koster Keunen)	6.30
	Carnauba Wax (Koster Keunen)	5.30
	FANCOL® POLYISO® 300-CG (Elementis Specialties)	10.00
B	Preservative	qs

- Procedure:
- Heat phase A to 80°C and mix until uniform.
 - Add phase B and mix. well
 - Poor into mold and allow to cool.

LIGHT MOISTURIZING BB CREAM WITH SPF 30++

BY 3129-92

A	BENTONE GEL® VS-5 PC V (Elementis Specialties)	5.60
	THIXCIN® R (Elementis Specialties)	1.50
	Abil EM90 (Evonik)	3.50
	KF6017 (Shin Etsu)	2.00
	FANCOL® POLYISO® 275 CG (Elementis Specialties)	1.50
	ANTI-AGING SKIN COMPLEX (Elementis Specialties)	3.00
	FANCOR® ABYSSINIAN OIL (Elementis Specialties)	3.00
	Beeswax (Strahl & Pitsch)	1.00
	Wickenol 151 (Alzo Inc)	4.50
	Crodamol ISNP-LQ (Croda)	4.50
	Finsolv TN (Innospec)	1.35
B	NANOX 200 (Elementis Specialties)	1.65
	Water	37.23
	Glycerin	3.00
	Tween 20 (Croda)	2.00
	Butylene Glycol	3.00
	Sodium Chloride	1.00
C	TNP50T7 (Kobo)	10.00
	FAS70USI-E (Kobo)	6.00
	FAS55ERSI-E (Kobo)	0.81
	FAS50EYSI-E (Kobo)	3.26
	FAS60EBSI-E (Kobo)	0.10
	Preservative	qs

- Procedure:
- Premix Part A and Part B separately and heat to each 75°C.
 - Add Part B into Part A with higher share for 10-15 minutes.
 - Premix Part C and slowly add into Part A & B and cool down to 50oC-55oC.
 - Transfer to Silverson Homogenizer for 1-3 minus, until the pigments fully dispersed
 - Transfer to a propeller mixer and cool down to below 40°C.
 - Add Part D to the batch and mix well.

Viscosity: 18300 cps (RV Spindle #6, 20 rpm, 30s, 22oC)



CC CREAM MULTIFUNCTIONAL HYDRATOR

C-1001-01

A	Sodium Chloride	1.00
	Glycerin	2.00
B	BENTONE GEL [®] ABO V (Elementis Specialties)	6.45
	Imwittor 600 (Sasol)	3.00
	Ethylhexyl Methoxycinnamate	7.50
	Tocopheryl Acetate	0.10
	AFRICAN HYDRATION COMPLEX (Elementis Specialties)	3.00
	Wickenol 151 (Alzo)	4.50
	Crodamol ISNP-LQ (Croda)	4.50
C	FANCOR [®] ABYSSINIAN OIL (Elementis Specialties)	6.00
	Unipure Black LC989 (Sensient)	0.75
	Unipure Red LC381 (Sensient)	1.40
	Unipure Yellow LC182 (Sensient)	2.35
	Unipure White (Sensient)	2.50
D	Tyrostat (Lucas Meyer)	1.00
	Exo-T (Lucas Meyer)	2.00
	Euxyl K701 (Shulke & Mayr)	1.00

Procedure:

1. Premix Part A and Part B separately and heat to each 80-85°C.
2. Add Part A into Part B with dispermat for 10 minutes to form the emulsion.
3. Premix Part C and slowly add into Part A & B while cooling to 50oC-55oC.
4. Transfer to Silverson Homogenizer for 1-3 minus, until the pigments fully dispersed.
5. Transfer to a propeller mixer and cool down to below 40°C.
6. Add Part D ingredients to the batch and mix well.

Viscosity: 13,000cps (RV Spindle T-E, 20 rpm, 30s, 22°C)



WATER IN OIL INORGANIC SUNCREAM

KR 8/104

A	BENTONE GEL [®] IHD V (Elementis Specialties)	8.00
	Tegosoft OS (Evonik)	13.50
	FANCOL [®] IH (Elementis Specialties)	8.00
	Tegosoft M (Evonik)	5.00
	Abil EM90 (Evonik)	1.80
B	Isolan GO 33 (Evonik)	1.75
	Nanox [®] 200 (Elementis Specialties)	13.50
	Titanium Dioxide (Evonik)	2.35
C	Deionized Water	41.60
	Sodium Chloride	0.75
	Magnesium Sulphate Heptahydrate	0.75
	Butylene Glycol	3.00
	Glycerin	3.00
C	Butylene Glycol	2.00
	Preservative	qs

Procedure:

1. Heat combined phase A to 75°C.
2. Transfer to a Silverson homogeniser and with mixing, gradually add phase B to phase A. Mix until fully dispersed.
3. In a separate container warm phase C to 75°C.
4. Using high shear mixing (e.g. Silverson homogeniser), slowly add Phase C to Phase A + B.
5. Continue to mix for several minutes.
6. Transfer to propeller stirrer and commence cooling.
7. At 35°C, add phase D to the batch.



The presence of BENTONE GEL[®] IHD V, rheological additive, in sunscreen systems add body, yet allow easy and even distribution, due to the thixotropic nature.

MOISTURIZING BODY CREAM

A	Deionized Water	76.50
	Glycerin	3.00
	Rheoluxe® 812 (Elementis Specialties)	3.00
B	Dracorin CE (Symrise)	4.00
	FANCOL® VB (Elementis Specialties)	5.00
	Multiple Hydration Complex (Elementis Specialties)	3.00
	Caprylic/Capric Triglyceride	3.00
	FANCOL® CH (Elementis Specialties)	0.50
	Cetearyl Alcohol	1.00
C	Euxyl K701 (Schulke & Mayr)	1.00

- Procedure:
- Heat phase A ingredients to 80C with propeller mixing.
 - Combine phase B ingredients and heat to 80C with propeller mixing.
 - Add phase B to phase A with moderate speed propeller mixing.
 - Cool to 45C and add phase C ingredients to batch.
 - Cool to room temperature with mixing.

Viscosity: RV T-E @ 20rpm: 38,250cps pH: 4.48

B-I000-01



NATURAL HAND AND FOOT CREAM

A	Deionized Water	23.90
	Glycerin	3.00
	Bentone® EW (2% Solution) (Elementis Specialties)	50.00
B	Fancol® VB (Elementis Specialties)	4.00
	AFRICAN HYDRATION COMPLEX (Elementis Specialties)	6.00
	Cetearyl Alcohol (Croda)	3.00
	Thixcin® R (Elementis Specialties)	0.10
C	Simulgreen 18-2 (Seppic)	3.00
	Fancol® CB (Elementis Specialties)	2.00
D	Aloe Vera Juice (Bio-Botanica)	2.00
	Licorice Extract (Bio-Botanica)	2.00
	Euxyl K701 (Schulke & Mayr)	1.00

- Procedure:
- Heat phase A to 70°C with propeller mixing.
 - Combine phase B ingredients and heat to 70°C .
 - Heat phase C to 70C and mix until uniform.
 - Add phase C to phase B and mix well.
 - Add combined phase B/C to phase A with moderate sheer.
 - Begin cooling.
 - At 45°C, add phase D ingredients to batch.
 - Homogenize for 5 minutes.
 - Cool to room temperature with slow mixing.

Viscosity: RV T-E @ 20rpm: 81,500cps pH: 5.00

B-I002-01

CURL ENHANCING REPAIRING CREAM

A	Water	64.40
	Disodium EDTA	0.10
	Glycerin	3.00
	Panthenol	0.50
	FANCORSIL® LIM-1 (Elementis Specialties)	3.00
B	Lipomulse 165 (Lipo Chemicals)	6.00
	Mineral Oil (Penreco)	10.00
	Cetearyl Alcohol	2.00
C	FANCOL® Abyshea (Elementis Specialties)	5.00
	Meadowquat® HG-70 (Elementis Specialties)	3.00
	Euxyl K701 (Schulke & Mayr)	1.00
	Rheoluxe® 812 (Elementis Specialties)	2.00

- Procedure:
- Combine phase A ingredients and heat to 80C with propeller mixing.
 - Combine phase B ingredients and heat to 80C. Mix until uniform.
 - Add phase B to phase A with propeller mixing.
 - Begin cooling.
 - At 40C, add phase C ingredients to batch one at a time.
 - Cool to room temperature with propeller mixing.

Viscosity: RV T-E @ 20rpm: 35,8010cps
pH: 4.40

SHINE SPRAY

A	FANCOL® POLYISO®300 CG (Elementis Specialties)	55.00
	FANCOL® ID-CG (Elementis Specialties)	35.00
	Xiameter® 245 Fluid (Dow Corning)	2.00
	ANTI-AGING HAIR COMPLEX™ (Elementis Specialties)	5.00
	FANCOL® Abyshea (Elementis Specialties)	3.00

- Procedure:
- Combine ingredients, mixing well after each addition.
 - Mix until clear and uniform.

H-I000-01

Rheoluxe® 812 is a polyurethane based thickener designed to increase viscosity of oil in water emulsions while maintaining excellent skin feel.

H-I001-01

