



FANCOR[®]
The Fanning Corporation

Formulary

Ethnic Hair Care Products

A Guide to Functional Elegance

Fancor[®] delivers quality raw materials
with proven benefits

2450 West Hubbard Street
Chicago, Illinois 60612-1408 USA
Telephone (312) 563-1234
FAX (312) 563-0087

www.fanncorp.com

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FANCOR

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FAX Number (312) 563-0087

ETHNIC HAIR CARE FORMULAS**Hair and Scalp Pre-treatment**

72-16 Basing Pomade
72-17 Pre-Relaxer Conditioner

Relaxers (Professional and Home Use)

72-18-2 Relaxer (Reg.)
72-21-1 No Lye Relaxer

Shampoo and Conditioners

72-20-1 Damage Repair Shampoo
72-19 Damage Repair Rinse-Out Conditioner
72-24-2 Damage Repair Leave-In Conditioner

Hair Treatment

72-23 Shine Spray
72-26 Styling Gel

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**BASING POMADE
72-16**

<u>INGREDIENT</u>	<u>WT.%</u>	<u>INCI NAME</u>	<u>FUNCTION</u>
1. Fancor® Polyiso® 300-CG	25.00	Hydrogenated Polyisobutene	Lubricity
2. Fancor® Abyssinian Oil	4.00	Crambe Abyssinica Seed Oil	Emollient
3. Petrolatum	36.85	Petrolatum	Occlusive
4. Fancor® Karite Butter Superfine	5.00	Butyrospermum Parkii (Shea Butter) Fruit	Conditioner
5. Lanolin USP	23.00	Lanolin	Emollient
6. Fanwax™ SEW-P	3.00	Cetearyl Alcohol and PEG Sorbitan Stearate	Emulsifier
7. Ozokerite Wax	3.00	Ozokerite Wax	Thickener
8. Propylparaben	0.15	Propylparaben	Preservative

PROCEDURE

Add ingredient #'s 1 and 2 to a clean kettle and heat to 80 °C while mixing. Add ingredient #'s 3, 4, 5, 6, 7 and 8 while maintaining temperature. Continue mixing until uniform` Cool to 60 °C and dispense into final package.

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**PRE-RELAXER CONDITIONER
72-17**

<u>INGREDIENT</u>	<u>WT.%</u>	<u>INCI NAME</u>	<u>FUNCTION</u>
1. Deionized Water	83.75	Water	Diluent
2. Hydroxyethyl Cellulose	1.00	Hydroxyethyl Cellulose	Thickener
3. Meadowquat® HG-70	10.00	PEG-2 Dimeadowfoam- amidoethylmonium Methosulfate	Conditioner
4. Glycerin	5.00	Glycerin	Humectant
5. DMDM Hydantoin	0.25	DMDM Hydantoin	Perservative
6. Color	Q.S.	Color	Aesthetic

PROCEDURE

Add ingredient # 1 to a clean kettle. Start mixer and slowly sprinkle in ingredient # 2. Heat the product to 75 °C. The product will thicken. Start cooling and add ingredient #'s 3, 4, 5 and 6 to the kettle one at a time while mixing. Cool to 35 °C and dispense into final package.

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**RELAXER (REG.)
72-18-2**

<u>(RELAXER) INGREDIENT</u>	<u>WT. %</u>	<u>INCI NAME</u>	<u>FUNCTION</u>
PHASE I			
1. Deionized Water	52.10	Water	Diluent
2. Propylene Glycol	2.00	Propylene Glycol	Humectant
3. Meadowquat® HG-70	1.00	PEG-2 Dimeadowfoam- amidoethylmonium Methosulfate	Conditioner
PHASE II			
4. Mineral Oil (70 vis.)	16.00	Mineral Oil	Lubricity
5. Petrolatum	14.00	Petrolatum	Occlusive
6. Fancor® Uni-EmBase	10.50	Cetearyl Alcohol, Polysorbate 65, Dimethicone PEG-8 Meadowfoamate, Meadowfoamamidopropyl Betaine	Emulsifier
PHASE III			
7. Sodium Hydroxide 50%	4.40	Sodium Hydroxide	Active

PROCEDURE

Add ingredient # 1 to a clean kettle and start mixing. Add ingredient #'s 2 and 3 to the kettle while mixing. Heat to 80 °C. In a second clean kettle add ingredient # 4 and start mixing. Heat to 80 °C. Add ingredient #'s 5 and 6 to the second kettle and mix until uniform. When both kettles are 80 °C combine the phases and continue mixing for 20 minutes while maintaining temperature. Cool to 50 °C. Add ingredient # 7 (Phase III) and mix for 30 minutes while maintaining temperature. Cool to 45 °C and versate into the relaxer package.

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**NO LYE RELAXER
72-21-1**

<u>(RELAXER) INGREDIENT</u>	<u>WT. %</u>	<u>INCI NAME</u>	<u>FUNCTION</u>
PHASE I			
1. Deionized Water	51.10	Water	Diluent
2. Propylene Glycol	2.50	Propylene Glycol	Humectant
3. Meadowquat® HG-70	1.00	PEG-2 Dimeadowfoam- amidoethylmonium Methosulfate	Conditioner
PHASE II			
4. Mineral Oil (70 vis.)	16.00	Mineral Oil	Lubricity
5. Petrolatum	14.00	Petrolatum	Occlusive
6. Fancor® Uni-EmBase	10.00	Cetearyl Alcohol, Polysorbate 65, Dimethicone PEG-8 Meadowfoamate, Meadowfoamamidopropyl Betaine	Emulsifier
PHASE III			
7. Calcium Hydroxide	5.40	Calcium Hydroxide	Active

PROCEDURE

Add ingredient # 1 to a clean kettle and start mixing. Add ingredient #'s 2 and 3 to the kettle while mixing. Heat to 80 °C. In a second clean kettle add ingredient # 4 and start mixing. Add ingredient #'s 5 and 6 to the second kettle while mixing. Heat to 80 °C. When both kettles are 80 °C combine the phases and continue mixing for 20 minutes while maintaining temperature. Add ingredient # 7 (Phase III) and mix at high speed for 20 minutes while maintaining temperature. Slow the mixing speed, cool to 45 °C and versate into the relaxer package.

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**NO LYE RELAXER
72-21-1
(cont'd.)**

<u>(ACTIVATOR) INGREDIENT</u>	<u>WT. %</u>	<u>INCI NAME</u>	<u>FUNCTION</u>
1. Deionized Water	73.10	Water	Diluent
2. Xanthan Gum	0.40	Xanthan Gum	Thickener
3. Guanidine Carbonate	26.00	Guanidine Carbonate	Active
4. Red # 40 0.1%	0.50	Red # 40	Color

PROCEDURE

In a clean kettle add ingredient # 1 and start mixing. Sprinkle in ingredient # 2 and heat to 60 °C while continuing to mix. At 60 °C add ingredient #'s 3 and 4 and mix until clear. Cool to 35 °C while continuing to mix and dispense into the activator package.

FINAL USE FORMULA

	<u>MILD</u>	<u>REGULAR</u>	<u>SUPER</u>
RELAXER	214 g	214 g	214 g
ACTIVATOR	50 g	55 g	62 g

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**DAMAGE REPAIR SHAMPOO
72-20-1**

<u>INGREDIENT</u>	<u>WT. %</u>	<u>INCI NAME</u>	<u>FUNCTION</u>
1. Deionized Water	44.65	Water	Diluent
2. Methylparaben	0.15	Methylparaben	Preservative
3. Ammonium Lauryl Sulfate	25.00	Ammonium Lauryl Sulfate	Surfactant
4. Ammonium Laureth Sulfate	20.00	Ammonium Laureth Sulfate	Surfactant
5. Betafan™-M	3.00	Meadowfoamamidopropyl Betaine	Foaming Agent
6. Fancol® HS3 US	1.50	Sulfated Castor Oil and Water and Propylene Glycol and Lecithin and Capric/Caprylic Triglycerides and PEG-12 Oleate	Dispersing Agent/ Emulsifier
7. Fancorsil® LIM-1	1.50	Dimethicone PEG-8 Meadowfoamate	Conditioner/ Repair
8. Anti-Aging Hair Complex	3.00	Crambe Abyssinica Seed Oil, Hydrogenated Polyisobutene, PEG-2 Dimeadowfoam- amidoethylmonium Methosulfate	Emollient/ Shine/ Conditioner
9. DMDM Hydantoin	0.20	DMDM Hydantoin	Preservative
10. Sodium Chloride	1.00	Sodium Chloride	Viscosity Adjuster
11. Citric Acid	Q.S.	Citric Acid	pH Adjuster

PROCEDURE

Add ingredient # 1 to a clean kettle. Start mixer and heat the product to 75 °C. Add ingredient #2 and mix until uniform. Cool to 65 °C and add ingredient #'s 3, 4, 5, 6, 7, 8, 9 and 10 while mixing and heating until the contents are uniform. Adjust the pH to 4.5 – 5.5 using ingredient 11. Cool to 35 °C and dispense into final package.

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**DAMAGE REPAIR RINSE-OUT CONDITIONER
72-19**

<u>INGREDIENT</u>	<u>WT.%</u>	<u>INCI NAME</u>	<u>FUNCTION</u>
PHASE I			
1. Deionized Water	74.40	Water	Diluent
2. Methylparaben	0.15	Methylparaben	Preservative
3. DMDM Hydantoin	0.20	DMDM Hydantoin	Preservative
4. Betafan™-M	1.00	Meadowfoamamidopropyl Betaine	Foaming Agent
5. Fancorsil® LIM-1	1.50	Dimethicone PEG-8 Meadowfoamate	Conditioner/ Repair
6. Ammonium Lauryl Sulfate	1.00	Ammonium Lauryl Sulfate	Surfactant
PHASE II			
7. Fancol® Polyiso® 300-CG	2.50	Hydrogenated Polyisobutene	Lubricity
8. Fancor® Uni-EmBase	4.00	Cetearyl Alcohol, Polysorbate 65, Dimethicone PEG-8 Meadowfoamate, Meadowfoamamidopropyl Betaine	Emulsifier
9. Stearyl Alcohol	5.00	Stearyl Alcohol	Thickener
10. Anti-Aging Hair Complex	10.00	Crambe Abyssinica Seed Oil, Hydrogenated Polyisobutene, PEG-2 Dimeadowfoam- amidoethylmonium Methosulfate	Emollient/ Shine/ Conditioner
PHASE III			
11. Citric Acid	0.25	Citric Acid	pH Adjuster

PROCEDURE

Add ingredient # 1 to a clean kettle. Start mixer and add ingredient #'s 2, 3, 4, 5 and 6. Heat the product to 75 °C. In a second kettle add ingredient #7. Start heating to 75 °C while mixing. Add ingredient #'s 8, 9 and 10 while mixing and heating until uniform. Add the oil phase (Phase II) to the water phase (Phase I) and mix for 20 minutes. Adjust the pH to 6.5 – 7.5 using ingredient 11. Cool to 35 °C and dispense into final package.

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**DAMAGE REPAIR LEAVE-IN CONDITIONER
72-24-2**

<u>INGREDIENT</u>	<u>WT. %</u>	<u>INCI NAME</u>	<u>FUNCTION</u>
1. Deionized Water	94.15	Water	Diluent
2. Polyquaternium-10	0.60	Polyquaternium-10	Conditioner
3. Hydroxyethyl Cellulose	1.00	Hydroxyethyl Cellulose	Thickener
4. Anti-Aging Hair Complex	2.00	Crambe Abyssinica Seed Oil, Hydrogenated Polyisobutene, PEG-2 Dimeadowfoam- amidoethylmonium Methosulfate	Emollient/ Shine/ Conditioner
5. Fancorsil® LIM-1	1.00	Dimethicone PEG-8 Meadowfoamate	Conditioner/ Repair
6. DMDM Hydantoin	0.25	DMDM Hydantoin	Preservative
7. Rheocare ATH	1.00	Sodium Polyacrylate (and) Ethylhexyl Stearate (and) Trideceth-6	Thickener
8. Citric Acid	Q.S.	Citric Acid	pH Adjuster

PROCEDURE

Add ingredient # 1 to a clean kettle. Start mixer and slowly sprinkle in ingredient #'s 2 and 3. Heat the product to 75 °C. The product will thicken. Slowly reduce the temperature to 60 °C and add ingredient #'s 4, 5 and 6 to the kettle while mixing. Cool to 45 °C and add ingredient # 7. Cool to 35 °C and adjust pH to 5.0 – 7.0 using ingredient # 8. Dispense into final package.

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FANCOL

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**SHINE SPRAY
72-23**

<u>INGREDIENT</u>	<u>WT.%</u>	<u>INCI NAME</u>	<u>FUNCTION</u>
1. Fancol® Polyiso® 300-CG	55.00	Hydrogenated Polyisobutene	Shine/Solvent
2. Fancol® ID-CG	35.00	Isododecane	Solvent
3. Cyclomethicone (D-5)	2.00	Cyclomethicone	Lubricity
4. Anti-Aging Hair Complex	5.00	Crambe Abyssinica Seed Oil, Hydrogenated Polyisobutene, PEG-2 Dimeadowfoam- amidoethylmonium Methosulfate	Emollient/ Shine/ Conditioner
5. Fancol® AbyShea	3.00	Crambe Abyssinica Seed Oil and Butyrospermum Parkii (Shea Butter) Extract	Conditioner

PROCEDURE

Add ingredients one at a time in the order given to a clean kettle while mixing. Continue mixing until uniform and dispense into final package.

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**STYLING GEL
72-26**

<u>INGREDIENT</u>	<u>WT. %</u>	<u>INCI NAME</u>	<u>FUNCTION</u>
PHASE I			
1. Deionized Water	39.20	Water	Diluent
2. Propylene Glycol	8.00	Propylene Glycol	Humectant
3. Glycerin	6.00	Glycerin	Humectant
4. Fancorsil® LIM-1	0.80	Dimethicone PEG-8 Meadowfoamate	Conditioner/ Repair
5. Nipaguard MPS	1.00	Propylene Glycol (and) Propylparaben (and) Methylparaben	Preservative
PHASE II			
6. Oleth-10	16.00	Oleth-10	Gellant/Emulsifier
7. Fancol® HCO-40	10.30	PEG-40 Hydrogenated Castor Oil	Gellant/Emulsifier
8. Fancol® Polyiso® 300-CG	10.00	Hydrogenated Polyisobutene	Lubricity
9. Anti-Aging Hair Complex	6.00	Crambe Abyssinica Seed Oil, Hydrogenated Polyisobutene, PEG-2 Dimeadowfoam- amidoethylmonium Methosulfate	Emollient/ Shine/ Conditioner
10. Oleyl Alcohol	2.00	Oleyl Alcohol	Thickener
11. Lanolin USP	0.70	Lanolin	Emollient

PROCEDURE

Add ingredient # 1 to a clean kettle. Start mixer and add ingredient #'s 2, 3, 4, and 5. Heat the product with slow mixing to 95 °C. In a second kettle add ingredient #'s 6, 7, 8, 9, 10 and 11. Heat the product with slow mixing to 95 °C. When both phases are uniform add the oil phase (Phase II) to the water phase (Phase I) and mix until uniform. Cool to 85 °C and dispense into final package.

Note: Do not allow the product to fall below 85 °C while filling or the gel will solidify.

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