

## Color Protective, Lubricating, and Anti-Breakage Conditioner

Ref: PS3-37

This formula is designed to provide conditioning from root to tip of the hair. **Biosil Basics Amino DL-30 CE** provides color protection, excellent wet combing characteristics, anti-breakage benefits, superb conditioning and shine. The addition of **Biosil Basics SPQ CE** enhances the conditioning and manageability properties and **Biosil Basics HMW** is an exclusive blend for hair moisturization.

INCI	Trade Name	Supplier	% W/W
<b>Phase A</b>			
D.I. Water	D.I. Water		
Glycerin	Glycerin 99%	Protameen	3.00
<b>Phase B</b>			
Behentrimonium Chloride	Botanimulse BTC-80	Botanigenics	2.00
Quaternium-82	Stepanquat ML	Stepan	0.50
Cetyl Alcohol	Cetyl Alcohol	Protameen	2.00
Stearyl Alcohol	Lipocol S	LIPO	2.00
Isopropyl Myristate	Botanester IPM	Botanigenics	5.00
Polysorbate 20	Jeesorb L-20 NF	JEEN	0.50
<b>Phase C</b>			
Methyl Paraben, Ethyl Paraben, N-Butyl Paraben, Propyl Paraben, Isobutyl Paraben, Phenoxyethanol	Phenonip		1.00
Polyquaternium-37, Mineral Oil, PPG-1 Trideceth-6	Salcare SC 95	BASF	2.50
<b>Silicone Quaternium-2 Panthenol Succinate</b>	<b>Biosil Basics SPQ CE</b>	<b>Biosil</b>	<b>1.00</b>
Acetamide MEA, Panthenol, Hydrolyzed Wheat Protein, Hyaluronic Acid, Linoleic Acid, Linolenic Acid, Triticum Vulgare (Wheat) Germ Oil, Simmondsia Chinensis (Jojoba) Seed Oil, Sorbitol, and Tocopherol	Biosil Basics HMW	Biosil	5.00
<b>Dimethiconol Panthenol</b>	<b>Biosil Basics Amino DL-30 CE</b>	<b>Biosil</b>	<b>5.00</b>
Fragrance	Aloe Herbal PSI-00778	Premier	0.50
Red # 40	0.1% Sol		0.08
Orange # 4	0.1% Sol		0.06

**Procedure:** Combine ingredients of Phase A together. Mix and heat to 70°C. In a separate beaker combine ingredients of Phase B together. Mix and heat to 70-80°C until it is clear. Add to the water phase. Stop heating. Mix and cool it down to 35-40°C. Add ingredients of Phase C one by one with mixing until it is uniform.

**Parameters:** pH 4.97, Viscosity 30000 CPS S#6 @ 5RPM

**Stability:** Acceptable 8 weeks stability at 4°C, RT, 45°C, and 3 F/T cycles

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