

Mild Silicone-free Conditioning Shampoo

Description: This sulfate-free, silicone-free and paraben-free formula imparts a great deal of volume without weighing down the hair with build-up by using two amino acid based surfactants-Glutamate as the primary surfactant and Alaninate as co-surfactant, which are safe and ultra-gentle to scalp and hair. It can deeply moisturize, repair and restructure the hair fiber and make hair evenly conditioned. It is also ideal for color-treated hair, leaving it healthier, softer, shinier and smoother.

	Ingredient	%W/W	Supplier/INCI Name	Function
A	Deionized Water	To 100		
	Disodium EDTA	0.03		Chelating Agent
	Polyquaternium-10	0.3		Conditioning Agent
B	Eversoft™ UCS-50SG	15.0	Sino Lion/ Disodium Cocoyl Glutamate	Mild Surfactant
	Thickmate™ A	14.0	Sino Lion/ Mild Surfactant (Proprietary Blend)	Mild Surfactant, Co-surfactant
	Eversoft™ ACS-30S	15.0	Sino Lion/ Sodium Cocoyl Alaninate	Co-surfactant
	EverSmooth™ LC-HC01	1.0	Sino Lion / Behenamidopropyl Dimethylamine, Stearamidopropyl Dimethylamine, Cetearyl Alcohol	Conditioning Agent
	EverQuat™ BTMS-50	1.0	Sino Lion / Cetearyl Alcohol and Behentrimonium Methosulfate	Conditioning Agent
	EverLipid™ EFA	1.0	Sino Lion/ Linoleamidopropyl PG-Dimonium Chloride Phosphat	Conditioning Agent, Emollient
	OleEster™ ISL	0.5	Sino Lion/ Sodium Isostearyl Lactylate	Conditioning Agent, Emollient
	EverTouch™ LP-S	0.3	Sino Lion/ Isopropyl Lauroyl Sarcosinate	Conditioning Agent, Emollient
	Glycol Distearate	1.8		Pearling Agent
	Citric Acid (50%)	2.0-4.0		pH Adjuster
C	SuperGel™ AC30	2.0	Sino Lion/ Acrylates Copolymer	Stabilizer, Thickener
	Deionized Water	10.0		



D	Guar Hydroxypropyltrimonium Chloride	0.3		Conditioning Agent
	Deionized Water	10.0		
E	Fragrance	0.1		Preservative
	Everpro™ LCG	1.0	SinoLion / Ethyl Lauroyl Arginate HCl, Caprylyl Glycol, Glycerin	

Procedure

1. Pre-dissolve Phase A and add Phase B while stirring at 85°C until uniform;
2. Cool to 70-75°C, add pre-dispersed Phase C while stirring until uniform;
3. Cool to 40°C, add Phase D and Phase E while stirring until uniform.

Properties

Appearance: White Pearlescent Viscous Fluid

Viscosity: 6,000-12,000 mPa.s (25°C, Brookfield DV2T, 20rpm, spindle 4/5#)

pH (25°C): 5.13-5.58

Features:

- This sulfate-free, silicone-free and paraben-free formula imparts a great deal of volume without weighing down the hair with build-up with two amino acid based surfactants-Glutamate as the primary surfactant and Alaninate as co-surfactant, which are safe and ultra-gentle to scalp and hair.
- It can deeply moisturize, repair and restructure the hair fiber and make hair evenly conditioned.
- It is also ideal for color-treated hair, leaving it healthier, softer, shinier and smoother.
- It is easy to rinse off and leaves a refreshing after-feel, saving water and time.
- Synergistic thickening with polymer, and imparts formula stability and high viscosity.

pH-Viscosity (η -pH) Curve (May shift slightly among various Lot#):