

Sulfate-Free Shampoo

Ingredient Guide

Function	Ingredient Type	Recommended Products
Cleans dirt and oil from the hair.	Primary Anionic Surfactant	Naturally Derived: ALPHA-STEP® PC-48 Better Foamer: BIO-TERGE® AS-40 HP Premium: LATHANOL® LAL COARSE Performance Blends: STEPAN-MILD® LSB, STEPAN-MILD PCL
Improves foam generation and stabilization. Improves viscosity building profile.	Secondary Amphoteric Surfactant	Better Viscosity Build: AMPHOSOL® HCA-HP Better Skin Feel: AMPHOSOL HCG-HP Higher Active: AMPHOSOL CG-50
Helps in the removal of grease and oil. Improves viscosity building and foam generation/stabilization.	Secondary Nonionic Surfactant	Best Performance: NINOL® CAA Cost-Effective: NINOL COMF-N
Helps to build viscosity in formulas that may or may not be difficult to thicken.	Thickener	Best Performance: NINOL CAA Mildest: AMPHOSOL CDB-HP Natural: STEPAN-MILD GCC
Helps to incorporate water-insoluble ingredients into a clear formula.	Solubilizer	Multi-functional: NINOL CAA Cost-Effective: STEPANTEX® CO-40
Provides a softness to the hair. Helps to improve wet and dry combability.	Conditioning Agent	Natural Silicone Alternative: STEPAN-MILD L3 Natural: STEPAN-MILD GCC Cost-Effective: STEPANQUAT® ML Clear Liquid: AMMONYX® CETAC-30
Other Ingredients		
Gives the final formula a pearlized and/or opaque, milky, lotion-like appearance.	Pearlizing/Opacifying Agent	Glycol monostearates, glycol distearates, copolymers
Helps control water hardness and decrease mineral build-up in the hair.	Chelant	Tetrasodium Glutamate Diacetate, Sodium Citrate, Tetrasodium EDTA (Ethylenediaminetetraacetic acid)
Can provide improvement with hair strength, manageability and overall hair health.	Vitamins	Panthenol (vitamin B5), tocopheryl acetate (vitamin E), ascorbic acid
Can provide improvement in conditioning, shine, combability and strength. Can also reduce static/frizz.	Protein and Amino Acid Derivatives	Hydrolyzed wheat protein, quaternized proteins, amino acids
Helps prevent the growth of microbes and bacteria in the final formula.	Preservative	Benzoic acid, phenoxyethanol, methylchloroisothiazolinone, methylisothiazolinone
Dyes, fragrances, and other components meant to enhance the visual appeal and experience of the final formula.	Aesthetics	FD&C colorants, various fragrances, botanical and herbal extracts

Stepan Trade Name	INCI Name	Form	Actives, %	% Bio-based
AMMONYX CETAC-30	Cetrimonium Chloride	Liquid	30	0
ALPHA-STEP PC-48	Sodium Methyl 2-Sulfolaurate (and) Disodium 2-Sulfolaurate	Liquid	37-40	94
AMPHOSOL CDB-HP	Cetyl Betaine	Liquid	30	78
AMPHOSOL CG-50	Cocamidopropyl Betaine	Liquid	37	64
AMPHOSOL HCA-HP	Cocamidopropyl Betaine	Liquid	30	64
AMPHOSOL HCG-HP	Cocamidopropyl Betaine	Liquid	30	64
BIO-TERGE AS-40 HP	Sodium C14-16 Olefin Sulfonate	Liquid	39	0
LATHANOL LAL COARSE	Sodium Lauryl Sulfoacetate	Powder	65 min.	60
NINOL CAA	Dimethyl Lauramide/Myristamide	Liquid	100	86
NINOL COMF-N	Cocamide MEA	Flake	100	86
STEPAN-MILD GCC	Glyceryl Caprylate/Caprate	Paste	100	100
STEPAN-MILD L3	Lauryl Lactyl Lactate	Liquid	100	100
STEPAN-MILD LSB	Sodium Lauryl Sulfoacetate (and) Disodium Laureth Sulfosuccinate	Liquid	25	64
STEPAN-MILD PCL	Sodium Methyl 2-Sulfolaurate (and) Disodium 2-Sulfolaurate (and) Sodium Lauryl Sulfoacetate	Liquid	25	90
STEPANQUAT ML	Polyquaternium-82	Liquid	95	69
STEPANTEX CO-40	PEG-40 Castor Oil	Liquid	100	42

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