

SULFATE-FREE TEXTURIZING SHAMPOO WITH DETANGLING
Formulation F-18-75

This mild "sulfate-free" conditioning shampoo with rich, luxurious lather not only gently cleanses "fragile" chemically processed hair but protects the hair from color "wash-out". Unique combination of Olefin/Graft and Conditioning polymers create a complex on the hair surface to lock color and shine into the hair. Keep that first day color longer. Extend the time between color treatments.

	<u>INCI Designation</u>	<u>Weight %</u>
Phase A—Heat to 75°C		
Distilled Water		43.00
Dissolvine Na2S (Akzo Nobel)	Disodium EDTA	0.10
Stepan Mild LSB (Stepanl)	Sodium Lauryl Sulfoacetate, Disodium Laureth Sulfosuccinate	30.00
Capmul S12L(Abitec)	Sodium Lauroyl Lactylate	2.00
Amphosol HCG (Stepan)	Cocamidopropyl Betaine	6.00
Tauranol I-78 C (Finetex)	Sodium Cocoyl Isethionate	5.00
Mackamide CMA (McIntyre)	Cocamide MEA	1.00
Crothix (Croda)	PEG-150 Pentaerythrityl Tetrastearate	0.35
Glycol Stearate	Glycol Stearate	0.50
Phase B—Add at 60°C		
Syntran PC 5208	Polyacrylate-15	6.00
Syntran PC 5100	Styrene/Acrylates/Ammonium Methacrylate Copolymer	1.50
Ritapan D,L (RITA)	Panthenol	0.50
Syntran PC 5320	Polyquaternium-37 (pending)	2.00
Fancorsil LIM-1 (Fancor)	Dimethicone PEG-8 Meadowfoamate	1.00
Phase C—Add at 40°C		
Germall Plus (ISP)	Diazolidinyl Urea, IPBC	0.35
Fragrance	Fragrance	0.30
TEA 99%, N.F. (Dow)	Triethanolamine	0.40
		Adjust pH to 6.10
	YIELD:	100.00

Procedure

Heat Phase A ingredients to 75-80°C with moderate agitation. Stir at 75-80°C until homogeneous. Cool slowly with moderate agitation to avoid aeration to 55°C. At 55°C, individually add each Phase B ingredient to main batch with continuous agitation until a homogenous mixture is obtained. Cool slowly with moderate agitation to avoid aeration to 40-45°C, individually add Phase C ingredients to batch, stir between each addition until homogenous. Adjust pH of batch between 6.0-6.3.

Appearance: White, creamy, medium viscosity shampoo.