



# Formulation

No. 1054

## Natural Curl Co-Wash (Palm-Free, Quat-Free)

### DESCRIPTION

This plant-based co-wash is free of quats, formulated with nourishing oils and a palm-free conditioning aid, **Colonial S18PF**, to leave hair soft, hydrated, and defined. Great for curly, color-treated, or ultra-dry hair.

### FORMULATION

Phase	INCI Name	Trade Name	%
A	Water	Water	qs to 100.00
A	Lactic Acid	PURAC® FCC 88 <sup>1</sup>	0.60
B	Vitis Vinifera (Grape) Seed Oil	Grapeseed Oil	6.00
B	Cocos Nucifera (Coconut) Oil	Coconut Oil	1.00
B	Cannabis Sativa Seed Oil	Hempseed Oil	1.00
B	Stearamidopropyl Dimethylamine	<b>Colonial S18PF</b>	2.00
B	Brassica Alcohol	SustOleo™ BA <sup>2</sup>	5.50
C	Sodium Benzoate and Potassium Sorbate	Euxyl® K 712 <sup>3</sup>	1.00
C	Fragrance	Green Tea Fragrance <sup>4</sup>	0.20

### PROCEDURE

1. In primary vessel, combine phase A ingredients and heat to 65-70°C.
2. In a separate vessel, combine phase B ingredients and heat to 65-70°C.
3. Once at temperature, add phase B to phase A.
4. Mix until uniform, then begin to cool.
5. Once below 45°C, add remaining phase C ingredients. Mix until uniform.

### TYPICAL PROPERTIES

Appearance      Opaque  
pH                    4.5 – 5.0  
Viscosity           30,000 – 50,000 cP

### SUPPLIERS

<sup>1</sup>Corbion, <sup>2</sup>Inolex, <sup>3</sup>Schülke & Mayr, <sup>4</sup>Premier

### INGREDIENT LIST

Water, Grapeseed Oil, Brassica Alcohol, Stearamidopropyl Dimethylamine, Coconut Oil, Hempseed Oil, Lactic Acid, Sodium Benzoate, Potassium Sorbate, Fragrance

## Colonial Chemical, Inc. *Natural Surfactants*

225 Colonial Drive • South Pittsburg, TN 37380 • Phone: 423-837-8800 • Fax: 423-837-3888

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