

# CitroComplex<sup>®</sup> Hair

HAIRCARE INGREDIENT SPOTLIGHT



## Description

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A fusion of Citropol<sup>®</sup> technology with nourishing hair-loving oils, delivering effortless detangling, conditioning, shine, and hydration while being biodegradable and biorenewable.



### Highly Effective

in formulation at low use levels, even as low as 1-10% across formulation types



### 82% Comb Force Decrease

in wet state when used at 1% in a rinse-off conditioner using bleached tresses



### Improved Resistance to Breakage

compared to common natural and silicone benchmarks when dry-combing bleached and virgin tresses

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Citropol<sup>®</sup> is inherently biodegradable according to the OECD 301B biodegradability test.



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INCI: Polycitronellol Acetate (and) Undecane (and) Tridecane (and) Carmbe Abyssinica Seed Oil (and) Rincinus Communis (Castor) Seed Oil (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Helinathus Annuus (Sunflower) Seed Oil

# Rinse Out Hydrating Hair Mask

CITROCOMPLEX® HAIR, CITROBUTTER™ S

Phase	Ingredients	%
A	DI Water	87.8%
A	Cetearyl Alcohol	5.0%
A	Hippophae Rhamnoides Seed Oil	
B	Dioleolethyl Hydroxyethylmonium Methosulfate (and) Sunflower Seed Oil Glycerides	11.5%
B	<b>CitroComplex Hair</b>	1.0%
B	<b>CitroButter S</b>	1.0%
B	Lauryl Lactyl Lactate	1.0%
B	Tocopherol	0.2%
C	Glycerin	1.0%
C	Caprylyl Glycol (and) Phenoxyethanol (and) Hexylene Glycol	1.0%
E	Citric Acid 10% Solution	q.s.

## Procedure

1. In a suitable beaker, add Water and begin heating to 75°C. Add the remaining Phase A ingredients.
2. In a separate container, combine Phase B ingredients and heat to 75°C while mixing.
3. Add Phase B to Phase A, under homogenization. Homogenize for 10 minutes.
4. Cool to 40°C.
5. Add Phase C ingredients in the order noted.
6. Adjust pH with Phase D.
7. Pour into a suitable component.

## Observation

A smooth hair mask that deep conditions the scalp and hair, making it easier to comb and style.