



Colonial S18HP

Vegetable-Derived Conditioning Agent

INCI	Stearamidopropyl Dimethylamine
CAS	7651-02-7
LISTINGS	US (TSCA), Canada (DSL), EU (REACH), Australia (AICS), Japan (ENCS), Korea (KECI), China (IECSC/IECIC), Philippines (PICCS), New Zealand (NZIOC), Taiwan (TCSI)

FEATURES

- 80% natural feedstocks
- Primary ingredient for all types of opaque conditioners
- Forms a "Quat-free" amine salt when neutralized with organic acids
- Can use a wide variety of acids for different benefits
 - α -Hydroxy acids
 - β -Hydroxy acids
 - Amino acids
 - Fatty acids
- Does not build up on hair
- Excellent wet and dry comb force reductions
- Reduces frizz and fly-away
- Robust emulsification of fatty alcohol for ease in formulation
- High purity stearic acid source
- Maximum efficacy
- Low color, odor

APPLICATION

Recommended use levels for Colonial S18HP:

Liquid Conditioners	0.5% – 1%
Leave-in Conditioners	1% – 2%
Cream Hair Conditioners	1% – 3%
Conditioning Masques	2% – 4%
2 in 1 Shampoos	0.5% – 1%

TYPICAL PROPERTIES

Appearance, 25°C	Waxy Solid Flake
Acid Value	5 Max.
Alkali Value	150
Color, Gardner '98	3
% Ester	1



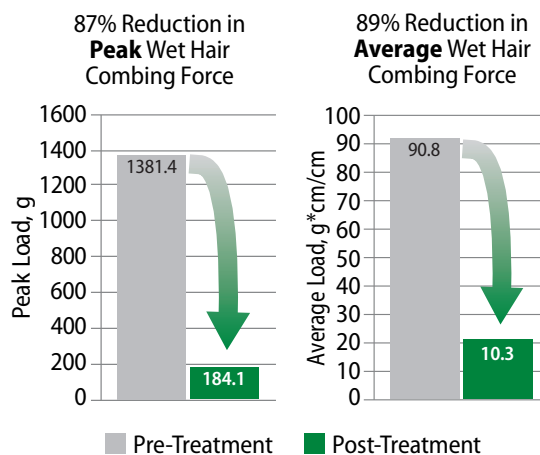
COMBABILITY TESTING

Colonial S18HP was tested in a formulation on lightly bleached brown hair to determine the effect on combability under both wet and dry hair conditions.

Test Formulation:

Water	qs to 100.00
Colonial S18HP	2.00
Cetearyl Alcohol	6.00
Lactic Acid	qs to pH 4.5 – 5.0

Results: The formulation demonstrated excellent conditioning of lightly bleached brown hair, with a significant reduction in both peak and average wet combing force.



Light, Smooth Conditioner

No. 1023

Formulation features Colonial S18HP and Cola®Quat CCG for a light simple conditioner. This high value, high performance formulation is perfect for every day use.

	INGREDIENT / INCI	%
1	Water	qs to 100.00
2	Dissolvine® GL-47-S / Tetrasodium Glutamate Diacetate	0.05
3	Lanette O / Cetearyl Alcohol	6.00
4	Colonial S18HP / Stearamidopropyl Dimethylamine	1.50
5	PURAC® FCC 88 / Fragrance	0.50
6	Cola®Quat CCG / Cocamidopropyl PG-Dimonium Chloride	1.00
7	Green Tea / Fragrance	0.20
8	Preservative	qs

Opaque Liquid, pH: 5.5 – 6.0, Viscosity: 30,000 cP

- Combine ingredients 1-2. Heat to 65-70°C. Once at temperature, add ingredients 3-4. Mix until ingredients are melted, then adjust pH to 5.0 – 5.5 with Lactic Acid. Add ingredient 6. Cool to 45°C. Add remaining ingredients.

STORAGE / HANDLING

Colonial S18HP should be stored in closed containers. Shipped in 200 lb./90.7 Kg open head poly drums. Typical shelf life is 24 months from date of manufacture. Safety Data Sheets may be found at www.colonialchem.com.



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Innovative Specialty Surfactants