

Colonial 18-S

Vegetable-Derived Conditioning Agent

INCI NAMEStearamidopropyl DimethylamineCAS NUMBER7651-02-7LISTINGSTSCA, REACH, AICS, DSL, IECSC, ENCS, ECL, NZIOC

Colonial 18-S is fatty amido-functional tertiary amine in flaked form. Colonial 18-S may be neutralized with a variety of acids to form a cationic amine salt. Colonial 18-S is produced from a high purity vegetable-derived grade of stearic acid.

Colonial 18-S is useful as the primary ingredient for a conditioner, finishing rinse, or cream rinse. Amine salts offer a major advantage over quaternary ammonium compounds in that they can more easily be rinsed from the hair and reduce conditioner buildup. Blended with a proper co-emulsifier, both opaque or pearly conditioner formulations can be commercially developed.



APPLICATION

Recommended use levels for Colonial 18-S:

Liquid Conditioners	0.5% - 1%
Leave-in Conditioners	1% - 2%
Cream Hair Conditioners	1% - 3%

- Colonial 18-S can also improve wet and dry combability and will reduce static fly-away.
- Simple, high viscosity, conditioning emulsions are achieved by combining neutralized Colonial 18-S with fatty alcohol.
- By neutralizing Colonial 18-S in situ with a low molecular weight organic acid, it becomes water soluble and acts as cationic conditioner.
- Neutralization with lactic acid can provide additional conditioning benefits.

TYPICAL PROPERTIES / STRUCTURE

Waxy Solid Flake
5 Max.
148 – 155
5 Max.
3 Max.

$$\begin{array}{c} O\\ \parallel\\ CH_3(CH_2)_{16}C - NH(CH_2)_3 - N \\ CH_3 \end{array}$$

FORMULATION

Light, Smooth Conditioner

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	INGREDIENT	%
1	Water	qs to 100.00
2	Cetearyl alcohol	4.00
3	Lactic Acid (88%)	0.70
4	Colonial 18-S	1.50
5	Cola®Quat CCG	1.00
6	Phytic acid	0.05
7	Preservative	qs
8	Fragrance	qs
Tunical Droportion with 5.0 Viacosity (0.000 and		

Typical Properties: pH: 5.0 Viscosity: 60,000 cps.

STORAGE / HANDLING

Colonial 18-S is shipped in 200 lb. (90.7 Kg) fiber drums or 50 lb. (22.6 Kg) bags. Safety Data Sheets and other information may be found at *www. colonialchem.com*.

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