



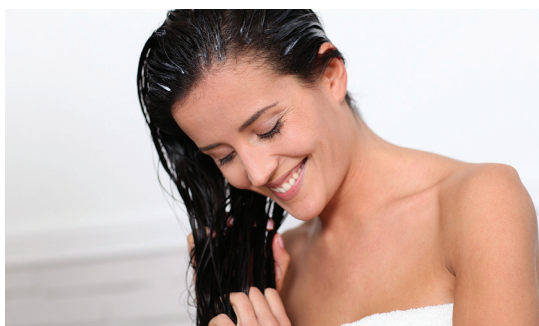
# Colonial 18-S

Vegetable-Derived Conditioning Agent

**INCI NAME** Stearamidopropyl Dimethylamine  
**CAS NUMBER** 7651-02-7  
**LISTINGS** TSCA, 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

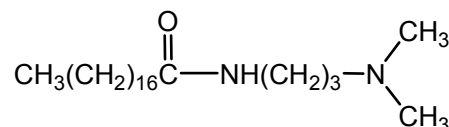
Recommended use levels for Colonial 18-S:

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

Appearance, 25°C	Waxy Solid Flake
Acid Value	5 Max.
Alkali Value	148 - 155
Color, Gardner '98	5 Max.
% Ester	3 Max.



## FORMULATION

### Light, Smooth Conditioner

INGREDIENT	%
1 Water	qs to 100.00
2 Cetearyl alcohol	4.00
3 Lactic Acid (88%)	0.70
4 <b>Colonial 18-S</b>	1.50
5 <b>Cola®Quat CCG</b>	1.00
6 Phytic acid	0.05
7 Preservative	qs
8 Fragrance	qs

**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](http://www.colonialchem.com).

## Colonial Chemical, Inc.

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