Performance Products

EMPIGEN® S 18
Conditioner for Beauty and Personal Care
WE CARE.
Mastering Molecular Science for Beauty and Personal Care Solutions

Our chemistries enable manufacturers to create differentiated formulations for beauty and well-being products that are trusted to keep millions of people feeling at their best, every day.
EMPIGEN® S 18 is a conditioning agent primarily used in hair care applications under the INCI name stearamidopropyl dimethylamine. It is often neutralised in the formulation with a low molecular weight acid, such as lactic acid, to form the amidoamine salt.

The graph shows the benefit of using a conditioning rinse containing 1% EMPIGEN® S 18. Two tresses were washed with a neutral shampoo, after which one was treated with the conditioning rinse. No conditioning rinse was performed on the control. The tresses were then evaluated using the hair brightness index, L*. The tress treated with EMPIGEN® S 18 was shown to have increased hair brightness over the control.

**Formula**
- Cetearyl alcohol 3.5%
- EMPIGEN® S 18 1.0%
- Ceteareth-25 1.0%
- Citric acid pH 4-4.5
- Aqua balance

Amidoamine salts have certain characteristics which may be beneficial in some applications over more typical quaternary ammonium conditioning agents, although a combination of the two types is frequently used.

- **Reduces build-up**: amidoamine salts are more easily rinsed out reducing the problems of build-up often associated with quaternary ammonium conditioning agents.
- **Compatibility**: amidoamine salts are compatible with typical anionic surfactants used for cleaning and therefore more suitable for formulating 2 in 1 shampoo conditioners.
FOR YOUR PROTECTION

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