

Product Description

Mackine 301 is fatty amido-functional tertiary amine available in an easy to handle flake form. It can be neutralized with a variety of acids, e.g., citric, lactic, to form a cationic amine salt. It is produced from a high purity, vegetable derived grade of stearic acid with a minimum of 90% C-18 content. **Mackine 301** provides the major conditioning action for a creme rinse, finishing rinse or conditioner. The major advantage the amine salts offer over quaternary ammonium compounds is that they can be rinsed more easily from the hair, thus reducing the possibility of surfactant buildup. When blended with the proper co-emulsifier, e.g. cetyl alcohol, PEG 400 distearate, both pearly or opaque type conditioners can be developed.

Specifications

Appearance @ 25 Deg C	Waxy Flake
Appearance (Molten)	Clear to Hazy Liquid
Infrared Spectrum	Matches Standard
Color Gardner	5 Max
Acid Value	4.0 Max
Melting Point, Capillary, Deg C	65 – 69
Amine Number	148.0 – 152.0
DMAPA, %	0.30 Max
Equivalent Weight	364 – 379
Melting Point, Fisher Johns, Deg C	61 - 70

Typical Properties

Specific Gravity @ 67°C	0.91
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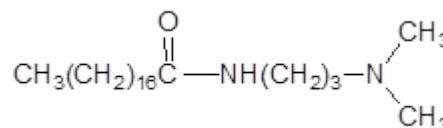
Principal Uses

Liquid Conditioners	0.5% - 1%
Crème Rinses	1% - 2%
Cream Hair Conditioners	1% - 3%

Shelf Life

Shelf life 48 months from date of manufacture.

Chemical Structure



Regulatory

Mackine 301

TSCA: Listed	Japan: Listed
EU: Listed	Korea: Listed
Australia: Listed	New Zea: Listed
Canada: Listed DSL	Philipp: Listed
China: Listed	Swiss: Unknown

Storage and Handling

Mackine 301 should be stored in sealed containers below 30°C in a dry place out of direct sunlight. Handle between 25°C – 35°C. **Mackine 301** will require heat to incorporate, 75°C until dissolved is recommended. The neutralizing acid should be added prior to the **Mackine 301** to avoid solubility issues.

Packaging

Available in bulk, 25 kilogram bags, and 100 kilogram drums, 200 pound fiber drums.

WARNING

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