MACKAMIDE® CMA
INCI Name: Cocamide MEA
CAS No.: 68140-00-1
EINECS: 268-770-2

Product Description
Mackamide CMA is a 1:1 coconut monoethanolamide, which is designed for use in household and cosmetic preparations. Mackamide CMA will help enhance the viscosity response of the formulation while also stabilizing the foam. Mackamide CMA has very low residual free amine and is a suitable replacement for diethanolamides.

Specifications
- **Appearance @ 25 Deg C**: Waxy Flake
- **Infrared Spectrum**: Matches Standard
- **pH (1% Solution)**: 9.0 – 11.0
- **Melting Point, Fisher Johns, Deg C**: 61.0 – 64.0
- **Gardner Color @ 70 Deg C**: 3 Max
- **Acid Value**: 2.0 Max
- **Ester, %**: 15.0 Max
- **Monoethanolamine, %**: 1.5 Max
- **pH (10% Aqueous)**: 9.0 – 11.0
- **Free Fatty Acid, (MW 200), %**: 2.0 Max
- **Glycerine, %**: 7.0 – 12.5

Chemical Structure
O
∥
RCNHCH₂CH₂OH
Where R= Coconut Distribution

Typical Properties
- **Specific Gravity, @ 60°C**: 0.97
- **Total Plate Count (CFU/g)**: <10
- **Gram Negative Bacteria**: Absent
- **Ester, CTFA**: <3
- **Melt Point, °C**: 61 - 64

Principal Uses
**Personal Care**
- **Shampoos**: 2% - 4%
- **Body Wash**: 1% - 4%
- **Skin Cleansers**: 0.5% - 2%
- **Bubble Bath**: 1% - 2%
**Industrial**
- **Dish Wash**: 4% - 6%
- **Dishwash Blocks**: 8% - 10%
- **Drop-In Toilet Bowl Blocks**: 8% - 12%
- **Powder Detergents**: 8% - 12%

Regulatory
**Mackamide CMA**
- TSCA: Listed
- Japan: Listed
- EU: Listed
- Korea: Listed
- Australia: Listed
- New Zea: Listed
- Canada: Listed
- Philipp: Listed
- China: Listed
- Swiss: Unknown

Storage and Handling
Mackamide CMA should be stored in sealed containers below 30°C in a dry place out of direct sunlight. Handle between 25°C – 35°C. Mackamide CMA will require heat to incorporate, 75°C until dissolved is recommended. Avoid prolonged exposure to heating as this may lead to degradation.

Shelf Life
Shelf life 48 months from date of manufacture.

Packaging
Available in bulk, 25 kilogram bags, 50 pound bags, 100 kilogram drums, 200 pound fiber drums, 220 pound fiber drums, 1102 pound Supersacks, and 1200 pound Supersacks.

WARNING
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