



MACKAMIDE[®] LLM

INCI Name: Lauramide DEA

CAS No.: 68155-07-7

EINECS: 268-935-7

Product Description

Mackamide LLM is a liquid amide developed to replace the solid lauric and lauric-myristic diethanolamides. In most formulas, **Mackamide LLM** can directly replace these amides without sacrificing foam stability. **Mackamide LLM** is biodegradable and contains no preservatives. A *liquid lauric diethanolamide designed to give a superior viscosity response.*

Specifications

Appearance @ 25 Deg C	Clear Liquid
Color Gardner	5 Max
pH (10% Aqueous)	9.5 – 11.5
Infrared Spectrum	Matches Standard
Amine Number	45.0 Max
Acid Value	1.0 Max

Typical Properties

Specific Gravity, @ 25°C	0.98
Total Plate Count (CFU/g)	< 10
Free Amine (as DEA), %	7.0 – 8.5

Principal Uses

Personal Care

Shampoo	1% - 3%
Hand Soap	1% - 3%
Body Wash	2% - 5%
Foam Booster/Stabilizer	1% - 10%

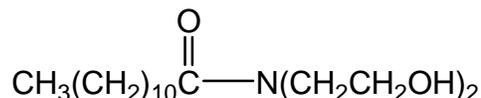
Institutional & Industrial

Liquid Dishwash	5% - 10%
Emulsifier	20% - 30%

Shelf Life

Shelf life 48 months from date of manufacture.

Chemical Structure



Regulatory

Mackamide LLM

TSCA: Listed	Japan: Not Listed
EU: Listed	Korea: Listed
Australia: Not Listed	New Zea: Not Listed
Canada: Listed	Philipp: Not Listed
China: Listed	Swiss: Unknown

Storage and Handling

Mackamide LLM should be stored in sealed containers below 30°C in a dry place out of direct sunlight. This product may solidify under prolonged storage in cold temperatures. If material becomes solid, gently heat to 35°C and mix before use. Avoid prolonged exposure to heating as this may lead to degradation.

Packaging

Available in bulk, 450 pound plastic drums, and 2050 pound totes.

WARNING

The information contained in this document is given in good faith and based on our current knowledge. It is only an indication and is in no way binding, notably as regards infringement of or prejudice to third parties through the use of our products. RHODIA GUARANTEES THAT ITS PRODUCTS COMPLY WITH ITS SALES SPECIFICATIONS.

This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations. Users are requested to check that they are in possession of the latest version of the present document and RHODIA is at their disposal to supply any additional information.