

# Mackam<sup>®</sup> LMB K MB

**INCI: Lauramidopropyl Betaine**

## Product description

Mackam LMB K MB is a high-performance amphoteric surfactant that is stable over a wide pH range and is compatible with anionic, nonionic and cationic surfactants. Mackam LMB K MB is a good foamer, even in high electrolyte solutions. When formulated with anionic surfactants, it shows a marked increase in viscosity along with increased flash foam.

## Principle uses

### Personal care

Shampoos	4%-8%
Liquid Soaps	4%-8%
Bubble Baths	6%-10%
Body Wash	10%-15%

### Industrial, Home & Hygiene

Lime Soap Dispersion	5%-15%
Liquid Dish Soap	5%-10%

## Specifications

<u>Test</u>	<u>Result</u>	<u>Method</u>
Appearance @ 25°C	Clear Liquid	100C
Solids (Moisture Balance), %	34.0 – 36.0	150A
Color Gardner	2 Max	104A
pH (10% Aqueous)	7.0 – 9.0	146I
Sodium Chloride, %	4.5 – 5.5	230B
Kathon CG, %	0.025 – 0.035	552A
EDTA, %	Report	308A
Active, %	29.0 – 31.0	316A
Free Amine, %	0.30 Max	514A
Solubility in ETOH	Clear Liquid	103A



## Typical properties

Specific Gravity @ 25°C 1.05

Total Plate Count (CFU/g) <10

## Storage and handling

MACKAM LMB-K MB should be stored in tightly closed containers. Store in an area that is dry, well ventilated, and away from incompatible materials. Frozen material may be thawed in a warm room. Vent drums while heating.

## Formulation tips

- Cold processable
- Heat tolerant (up to 90°C)
- Not stable at pH < 3.0
- Compatible with anionic, cationic, amphoteric, and nonionic surfactants

Disclaimer: 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. Verdant Specialty Solutions 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 Verdant Specialty Solutions is at their disposal to supply any additional information.