

**Kao Corporation, S.A.****Member of Kao Chemicals Europe**

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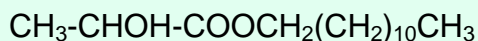
Fax : +34 93 739 93 77

Web : www.kaochemicals-eu.com**EXCEPARL[®] LM-LC**

The corresponding product is also available in compliance to RSPO rules. In this case the product name is followed by the suffix "MB", which can be found in related order documents, e.g. invoices and/or delivery notes. All these documents also include our RSPO certification number: CU-RSPO SCC-819585"

DESCRIPTION

- Natural Liquid thickener even for EO- & SLES-Free formulations
- PEG-, Nitrogen- & Salt-Free product
- Biodegradable, Mild and Safe product
- Improves viscosity stability (*T* and *pH*) in cleansing formulations
- Rheology Modifier

CHEMICAL IDENTIFICATION

INCI Name: Lauryl Lactate

EU CAS Number: 6283-92-7

US CAS Number: 6283-92-7

TECHNICAL SPECIFICATION

		Kao Method
APPEARANCE (20°C):	Transparent liquid	KCSA-258
ODOUR:	Characteristic	KCSA-267
COLOUR (Apha):	100 max.	KCSA-207
ACID VALUE (mg KOH/g):	10 max.	KCSA-125
SAPONIFICATION VALUE (mg KOH/g):	235 - 255	KCSA-023



EXCEPARL® LM-LC

TYPICAL CHARACTERISTICS

WATER SOLUBILITY (20°C):	Insoluble
CHARACTER:	Non-ionic
FREEZING POINT (°C):	Below 0
DENSITY (20°C, g/mL):	0.910 - 0.930
REFRACTION INDEX (25°C):	1.441 - 1.446

APPLICATION PROPERTIES

- EXCEPARL® LM-LC is a natural, 100% active, biodegradable, clear, odourless and colourless liquid which is easy to handle and can be processed at room temperature.
- EXCEPARL® LM-LC shows excellent thickening properties, outperforming other commonly used thickeners such as Cocamide DEA. Less amount of it is required.
- The use percentage of EXCEPARL® LM-LC can vary from 0.3% up to 3% approximately.
- Formulations thickened with EXCEPARL® LM-LC show better viscosity stability in a wide range of pH and temperatures than when other thickeners are used.
- EXCEPARL® LM-LC improves stabilisation against sedimentation of dispersed particles.

STORAGE–HANDLING–SHELF LIFE

- EXCEPARL® LM-LC is chemically stable for a long period of time under appropriate storage conditions (temperature at 25°C and original unopened container).
- If stored for a long period of time, it is advisable to homogenize the product before use, especially if it has been subjected to low temperatures. Small changes in the appearance can be easily recovered by applying a moderate agitation at 25-30°C. A general recommendation is to use the full container every time.
- The shelf life of EXCEPARL® LM-LC can be considered of 2 years minimum under proper storage conditions. After longer storage time some of its characterising parameters (*odour, appearance, colour, pH...*) should be checked before using it.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

