

Technical Data Sheet

Version: 1.0
Page 1, Total 1

Date: 18 / 6 / 2026



Item Name:

LMA

PRODUCT INFORMATION

Chinese Name:	甲基丙烯酸月桂酯
Commodity Name:	LMA
Chemical Name:	Lauryl Methacrylate
Other Name:	Methacrylic Acid Dodecyl Ester, Dodecyl Methacrylate
CAS No.:	142-90-5
Molecular Weight:	254.41
Molecular Formula:	$C_{16}H_{30}O_2$

PRODUCT DESCRIPTION

A kind of long chain alkyl acrylate with it's down stream polymer possesses low glass transition temperature and excellent hydrophobic & oleophylic properties. It could be used not only in the ink, paint and adhesive industries but also for the synthesis of amphiphilic polymer.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	White to light yellow liquid
Content by wt %	95 min
Chromaticity (APHA)	150 max
Viscosity (25°C CPS)	10-20
Acid value (mgKOH/g)	1 max
Refractive index (Nd25)	1.45
Inhibitor (MEHQ, ppm)	150~250
Water content by wt %	0.2 max

MAIN APPLICATION

Adhesive industry: used for synthetic sealant, adhesive glue agent; Coatings industry: used for renew resin/coating, coating material at low temperature for car; Oil industry: used as a synthetic oil soluble drag reduction agent; Rubber industry: used to composite stabilizer; Oil lubricant industry: used as lubricating oil; Papermaking industry: used to composite stabilizer; Plastic industry: used as the synthesis of monomer.

PACKING, LOADING AND SHELF LIFE

Packing: 150kg/drum, according customers' requirements

Loading: 17.7mt (118drums)/20'fcl

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.