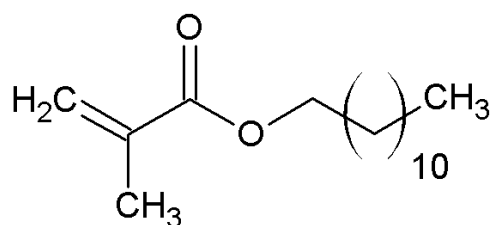


Bisomer[®] LMA 97 SP

Bisomer[®] LMA 97 SP (Lauryl Methacrylate) is a hydrophobic methacrylate monomer.

Chemical Structure



CAS Number (major component): 142-90-5

Typical Physical Properties *

Property	Value	Method
Appearance	Clear liquid	(E284; 01-13)
Water content, % (mass)	0.15 max	(E203; 23-01)
Inhibitor (MEHQ) content, ppm (mass)	300 - 500	(D3125; 13-08)
Colour number, Pt/Co	100 max	(D1209; 03-18)
Active monomer, % (area)	99.0 min	(GC; 01-42)
Assay, % (mass)	96.0 min	(GC; 01-42)
Methyl methacrylate, % (mass)	0.1 max	(GC; 01-42)
Acidity, methacrylic acid, % (mass)	0.1 max	(01-01)
Molecular weight (av), g/mol	254	

* The typical values presented here are believed to be accurate; they should not, however be considered to constitute a specification.

EUROPE

Charleston Road, Hardley,
Hythe, Southampton, Hampshire
SO45 3ZG UK
Call +44 2380 245 437

NORTH AMERICA

300 Brookside Avenue,
Building #23, Suite 100 Ambler,
PA 19002 USA

Call +1 215 773 9280 Toll

Free 888 519 3883

Email: PaintsandCoatings@geosc.com

www.geosc.com

Applications

Bisomer[®] LMA 97 SP is a hydrophobic, mono-functional methacrylate monomer with a low Glass Transition Temperature (T_g). It is excellent at imparting flexibility when used as a polymerisable plasticiser.

Bisomer[®] LMA 97 SP is based on a natural form of lauryl alcohol. The product is 75% bio-based (based on percentage of renewable carbon).

Bisomer[®] LMA 97 SP is based on a pure form of lauryl alcohol; this reduces the molecular weight distribution of the monomer when compared to the standard grade of **Bisomer[®] LMA**. The C12 lauryl methacrylate content of **Bisomer[®] LMA 97 SP** is a minimum of 96%.

The narrow molecular weight distribution of **Bisomer[®] LMA 97 SP** is often used to reduce variation in acrylic resins. Key attributes such as monomer reactivity, polydispersity and polymer solubility can all be tightly controlled when using **Bisomer[®] LMA 97 SP**.

Tight control over resin attributes leads to reproducible performance in end-use applications. Acrylic resins containing **Bisomer[®] LMA 97 SP** exhibit reduced variation in properties such as viscosity, pigment wetting, chemical resistance, adhesion, hardness, sheer strength and tack.

Bisomer[®] LMA 97 SP is a key raw material for the synthesis of high quality acrylic resins for a wide range of applications, including industrial coatings, printing inks and pressure sensitive adhesive applications.

Product Compliance

FDA CFR 21 § 178.3710, 176.210, 176.170 (Listed as a component of a polymer)

BfR Recommendation XIV

Swiss Ordinance 817.023.21 – Listed (Part B)



Registration & Regulatory Information: Please refer to the safety datasheet.

Handling & Storage: This product can be stored for up to 3 years at ambient storage temperature and conditions without any deterioration. Please refer to the safety datasheet for more details.

Miscellaneous: Various pack types available; please contact your local GEO Specialty Chemicals representative for further information.

All information and data, including the formulations and procedures discussed herein, are believed to be correct. However, this should not be accepted as a guarantee of their accuracy, and confirming tests should be run in your laboratory or plant. No statement should be construed as a recommendation for any use which would violate any patent rights. Sales of all products are pursuant to terms and conditions included in GEO Specialty Chemicals sales documents. Nothing contained therein shall constitute a guarantee or warranty with respect to the products described or their use. Safety information regarding these products is contained in their Safety Data Sheets. Users of these products are urged to review and use this information.

REVISION DATE: MARCH 2021

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