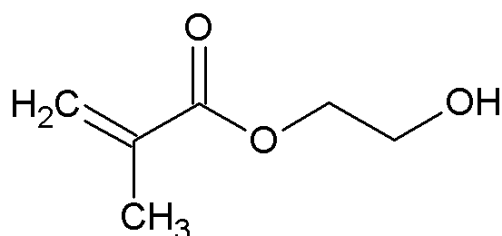


Bisomer[®] HEMA

Bisomer[®] HEMA (Hydroxyethyl Methacrylate) is a hydroxyl functional methacrylate monomer.

Chemical Structure



CAS Number: 868-77-9

Typical Physical Properties *

Property	Value	Method
Appearance	Clear liquid	01-13
Water content, % (mass)	0.10 max	(E203; 23-01)
Inhibitor (MEHQ) content, ppm (mass)	200 - 240	(D3125; 13-08)
Acid number, mgKOH / g	< 1.0	(D1045; 01-06)
Colour number, Pt/Co	< 10	(D1209; 03-18)
Assay, % (mass)	> 97.0	(GC; 08-09)
Diester (EGDMA), % (mass)	< 0.2	(GC; 08-09)
Molecular weight, g / mol	130	

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

Applications

Bisomer[®] HEMA is used extensively in the production of acrylic polyols for automotive OEM and refinish coatings as well as industrial coatings. It is non-toxic and non-yellowing.

It is also used as a co-monomer in styrene based unsaturated polyesters, PMMA based acrylic resins and vinyl ester formulations in anchor bolts and chemical fixings.

It may also be used in the production of emulsion polymers in combination with other commodity methacrylates and acrylates, notably for textile coatings and textile sizes.

Bisomer[®] HEMA is also the major raw material for the production of long-term wear and disposable contact lenses and in turn is an ideal starting point in formulating biomedical hydrogels.

Product Compliance

EU 10/2011 Listed

FDA CFR 21 § 175.105, 177.1010

FDA CFR 21 § 175.300, 176.180 (Listed as a component of a polymer)

BfR Recommendations XIV, XXII, XXXVI

Swiss Ordinance 817.023.21 – Listed (Part A)

FDA



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.

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