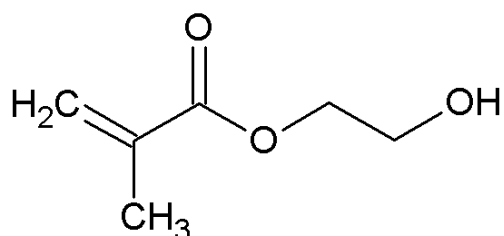


Bisomer[®] HEMA HP

Bisomer[®] HEMA HP (Hydroxyethyl Methacrylate) is widely used in the preparation of long-term wear or disposable contact lenses.

Chemical Structure



CAS Number: 868-77-9

Typical Physical Properties *

Property	Value	Method
Appearance	Clear liquid	(E284; 01-13)
Water content, % (mass)	0.2 max	(E203; 23-01)
Inhibitor (MEHQ) content, ppm (mass)	20 max	(D3125; 13-08)
Diester EGDMA, % (mass)	0.14 max	(08-09)
Diethylene glycol methacrylate, % (mass)	0.2 max	(GC; 08-09)
Assay, % (mass)	99.4 min	(GC; 08-09)
Colour, Pt/Co	10 max	(D1209; 03-18)
Methacrylic acid, % (mass)	0.05 max	(E202; 01-01)
Molecular weight (av), g/mol	130	

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

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Applications

Bisomer[®] HEMA HP is widely used in the preparation of long-term wear and disposable contact lenses, intra-ocular lenses and diverse biomedical applications.

Bisomer[®] HEMA HP is an ideal starting point in the formulation of biomedical hydrogels.

Our organisation offers dedicated monomer purification units for the production of high purity monomers in an environment controlled for air purity. We also offer customised products for biomedical and contact lens applications and large batch sizes which reduce customer testing requirements and provide greater batch to batch consistency.

GEO Specialty Chemicals has monomer expertise from over 40 years of experience as a world leading supplier of hydroxyl monomers with ISO 9001:2000 and ISO 14001 accreditation.

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)



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

Handling & Storage: This product can be stored for up to 1 year 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: OCTOBER 2020

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