

Bisomer[®] HEMA HP

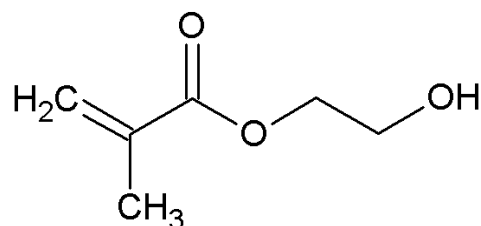
Product Data

Bisomer[®] HEMA HP

TECHNICAL DATA SHEET

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

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Characteristic values

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)
Hydroxyethyl methacrylate (HEMA), % (mass)	99.40 min	(GC; 08-09)
Colour, Pt/Co	10 max	(D1209; 03-18)
Acidity, Methacrylic acid, % (mass)	0.05 max	(E202; 01-01)
Molecular weight (av), g / mol	130	

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 bio-medical 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.

Transportation, Handling & Storage

Please refer to the safety datasheet for details.

Registration & Regulatory Information

Regulatory Status

AICS	yes
DSL	yes
ENCS	yes
EU	REACH Registration No. 01-2119490169-29-0002
IECSC	yes
KECI	yes
PICCS	yes
TSCA	yes

Food Packaging Approvals

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)

Miscellaneous

Various pack types are available, please contact your local GEO Specialty Chemicals representative for further information.

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