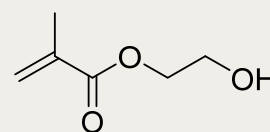


Product Information

VISIONER® UHP HEMA (HS)



2-Hydroxyethyl methacrylate
Optical Grade

CAS-No.: 868-77-9

Quality on supply

Appearance: clear, colorless liquid
Odor: ester like

Standard specification

		Test Method	
Degree of purity	min. 99.60 %	M2-8	(GC)
DEGMA*	max. 0.15 %	M2-8	(GC)
EGDMA*	max. 0.10 %	M2-8	(GC)
Acid content*	max. 0.05 %	M4	(acid-base titr., calculated as GMAA)
Water content*	max. 0.10 %	M3	(according to K. Fischer)
Color*	max. 30	M5	(Pt-Co)
Stabilization*	≥ 50 ppm MEHQ	M1-15	(HPLC)

* Can be adjusted in accordance with specific customer requirements, upon request.

Following data are not part of the product specification but serve as benchmarks.

Physical Data

Molecular weight	130.1 g/mol
Density	1.07 g/cm ³ (20 °C)
Refractive index	1.453 (20 °C)
Boiling temperature	213 °C (1,013 hPa), OECD 103
Vapor pressure	0.08 hPa (20 °C), OECD 104, dynamic method)
Melting range	–99 °C, OECD 102
Viscosity (kinematic)	6.36 mm ² /s (20 °C), DIN 51562
Ignition temperature	no data available
Flash point	106 °C (ASTM D93 /Pensky Martens Closed Cup)
Solubility in water	>100 g/l (25 °C)

Registration

REACH	registered
included in TSCA	+

General Hints

For information about health protection and shipment see our Safety Data Sheet

Application

For optical applications e.g. for the manufacturing of contact lenses.

Shelf life of the standard stabilized product: 6 months from date of delivery at a maximum storage temperature of 5 °C, in sealed container.

Ref.–No.: VISIOMER® UHP HEMA (HS) / FO 012–e – 11/2021

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* = registered trademark

Evonik Operations GmbH
Specialty Methacrylates
Kirschenallee
64293 Darmstadt
Germany

visiomer@evonik.com
www.visiomer.com
www.evonik.com