

Hydroxy Ethyl Methacrylate

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- Catalog Nr. Q108
- **Definition** Hydroxyethylmethacrylate or HEMA is the monomer that is used to make the polymer PolyHydroxyethylmethacrylate. The polymer is hydrophilic; therefore, when the polymer is subjected to water it will swell. Depending on the physical and chemical structure of the polymer, it is capable of absorbing from 10 to 600% water relative to the dry weight. Because of this property, it was one of the first materials to be successfully used in the manufacture of flexible contact lenses[1]
- **CAS Number** 868-77-9

Application is used as a monomer for synthesis of polymer that is contained in preparations such as paint, adhesive, coating, dental adhesive system and others.

used in light curing polymer system and high performance coatings for lasting high gloss against cratching, solvents and weathering. It is used in paint resins and emulsions, binders for textiles and paper. It is used as a adhesion promoter for metal coatings.

Technical PROPERTIES Data

	Flash Point: Physical State: Appearance: Odor: pH: Vapor Pressure: Vapor Density: Evaporation Rate: Viscosity: Boiling Point: Freezing/Melting Point: Solubility: Specific Gravity/Density: Molecular Formula: Molecular Weight:		101 deg C (213.80 deg F) Liquid colorless to light yellow None reported. Not available. 0.01 mm Hg @ 25 deg C 5.0 (air=1) Not available. Not available. 205-208 deg C -12 deg C Miscible with water. 1.073 C6H10O3 130.14
Packaging & Handling	200 kgs drum = 441 lbs o	drum	
	UN Number	Class	Packaging Group

Remarks

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