

## Hydroxyethyl methacrylate (HEMA)

Molecular formula:  $\text{CH}_2=\text{C}(\text{CH}_3)\text{COOCH}_2\text{CH}_2\text{OH}$

Uses: used in the synthesis of medical polymer materials, thermosetting coatings and adhesives

Colorless transparent liquid flows easily.

Melting point  $-12\text{ }^\circ\text{C}$

Boiling point of  $95\text{ }^\circ\text{C}$

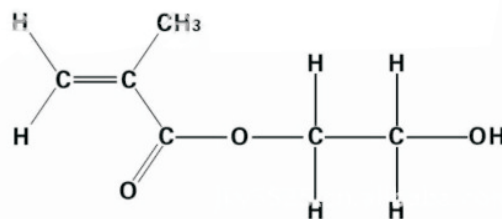
Freezing point

The relative density of 1.074

Refractive index of 1.4505

Flash point of  $108\text{ }^\circ\text{C}$

Solubility soluble in common organic solvents. Miscible with water.



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### Product description:

Name :2-Hydroxyethyl methacrylate

Formula:  $\text{C}_6\text{H}_{10}\text{O}_3$

Molecular Weight: 130.14

CAS No.: 868-77-9

### Specification:

Appearance: colorless transparent liquid flows easily

Content (Purity): 99.50%

### Physical and chemical properties:

Appearance: colorless transparent liquid flows easily.

Melting point:  $-12\text{ }^\circ\text{C}$ ,

Boiling point:  $95\text{ }^\circ\text{C}$  (1.333kPa),  $87\text{ }^\circ\text{C}$  (0.67kPa) , $71-73\text{ }^\circ\text{C}$  (0.267kPa),

relative density: 1.074 (20 / 4  $^\circ\text{C}$ ),

Refractive index: 1.4505,

Flash point: (open cup)  $108\text{ }^\circ\text{C}$ . Miscible with water, soluble in common organic solvents. Easy to aggregate, general merchandise containing the inhibitor, such as 100ppm hydroquinone or hydroquinone an ether.

### Usages:

For the preparation of styrene-butadiene rubber thermosetting acrylic emulsion paint modifier. Acrylic modified polyurethane coatings, water-soluble adhesive coating plating, fiber finishing agent, paper coating, photosensitive coating and PVC resin modifier material used in various resins, widely used.

**Storage conditions:**

Shade storage, container storage and closed containers away from light, keep refrigerated. Store below 4 °C, avoid light.

**Application areas:**

Plastics industry for the manufacture of active hydroxyl-containing acrylic resin. Coatings industry and epoxy resin, diisocyanate, melamine formaldehyde resin used in producing two-component coating configuration. Washing of the oil industry as a lubricant additive. Electron microscopy of the electronics industry as a de-water. Textile industry for the manufacture of fabric adhesive. Analytical chemistry for chemical reagents. In addition, for water miscible embedding agent.

**Packing:**

25kg plastic barrel and 200kg plastic drum

Package: 25kg / plastic barrel and 200kg / steel barrel with inner plastic or plastic barrel

