2-Hydroxyethyl Acrylate (2-HEA)

CAS Number: 816-61-1
Chemical Name: $C_5H_8O_3$

2-Hydroxyethyl acrylate (2-HEA) is a reactive acrylate monomer supplied as a clear, colorless liquid with a mild odor. It contains both an acrylate and hydroxyl group, providing high reactivity and crosslinking potential to enhance adhesion, flexibility, and chemical resistance in polymers and resins.

APPLICATIONS

- Co-monomer in paints, coatings, and plastics to improve adhesion and durability
- Component in adhesives and sealants, particularly UV-curable and pressure-sensitive systems
- Modifier for resins and dispersions to enhance flexibility and chemical resistance
- Used in photopolymer and specialty polymer formulations for improved performance

TYPICAL SPECIFICATIONS

Parameter	Specification
Assay (%)	≥ 97.0
Water Content (%)	≤ 0.2
Acidity as Acrylic Acid (%)	≤ 0.2
Color (Pt-Co)	≤ 20
Stabilizer (as MEHQ, ppm)	160 – 240

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LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

- Available in drums and bulk containers.

STORAGE & HANDLING

- Store in tightly sealed containers away from direct sunlight
- Keep in a dry, well-ventilated area
- Avoid exposure to heat and ignition sources

SAFETY

- Avoid inhalation, skin, and eye contact
- Use with adequate ventilation and appropriate PPE
- Refer to the Safety Data Sheet (SDS) for detailed information