

METHACRYLIC ACID



CAS Number: 79-41-4

Other Names: 2-Methylacrylic acid; 2-Methylpropenoic acid;
2-Methyl-2-propenoic acid

Formula: $C_4H_6O_2$

PRODUCT INTRODUCTION

Methacrylic acid is an alpha,beta-unsaturated monocarboxylic acid that is acrylic acid in which the hydrogen at position 2 is substituted by a methyl group having formula $C_4H_6O_2$. Methacrylic acid appears as a clear colorless liquid with a pungent odor. It is corrosive to metals and tissue. It is soluble in water and miscible with most organic solvents.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless Transparent Liquid, No Turbidity and Suspended Solids
Hazen	2.5
Density (p20) (g/cm ³)	1.01
Water Ratio (%)	0.0075
Purity (%)	99.95
Stabilizer (MEHQ) (ppm)	193

APPLICATIONS

- Methacrylic acid is used to prepare a wide range of polymers.
- Salts of methacrylic acid serve as the basis for water-soluble thickeners and detergent additives.
- It is used to manufacture topcoats of refrigerators and freezers.
- It is also used in the manufacture of hydrogel contact lenses.
- Methacrylic acid is used majorly in some nail primers to help acrylic nails adhere to the nail plat

PACKAGING OPTIONS

Drums

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