



COVALENT CHEMICAL

Methacrylic Acid (MAA)

TECHNICAL DATA SHEET

General Description

Methacrylic Acid (MAA) is an organic compound, colorless, viscous liquid. It is a monofunctional methacrylate monomer. It is soluble in warm water and miscible in most organic solvents. MAA is used as a starting material for the production of its esters, especially methyl methacrylate and poly methyl methacrylate (PMMA).

Typical Properties

Item	Unit	Spec	Results
MAA	Wt%	Min. 99.5000	99.9500
Color	APHA	Max. 20.0000	6.0000
Specific Gravity		1.0120-1.0180	1.0140
Water	PPM	Max. 500.0000	185.0000
Inhibitor (MEHQ)	PPM	200.0000-300.0000	250.0000
Acrylic Acid	PPM	Max. 300.0000	188.0000
Acetonyl Acetone	PPM	Max. 100.0000	4.0000

Application

MAA is used to synthesize poly (methacrylic acid)-g-poly (ϵ -caprolactone) copolymers, polymeric blends with PMMA and hydroxyethyl methacrylate (HEMA)-MAA hydrogels.

Packaging

Drums/Bulk/Rail

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