

## Methacrylic acid

# MAA

### Description

Colorless and transparent liquid  
Raw material for a number of chemical products

### Application

Paint, Cement superplasticizer, Fiber paste, Adhesive, Vinyl Ester, NB-Latex

### Specification

Item	Unit	Value
Purity	wt%	99.5 (Min.)
Color (APHA)	-	20 (Max.)
Water	ppm	500 (Max.)
Inhibitor (MEHQ)	ppm	200 ± 20

- ❖ MEHQ: Hydroquinone monomethyl ether
- ❖ The polymerization inhibitor may vary in concentration, according to the customer's request.

### Property

Item	Unit	Value
Molecular weight	g/mol	86.09
Chemical formula	-	$\text{CH}_2=\text{C}(\text{CH}_3)\text{COOH}$
Specific gravity	$\text{g/cm}^3$	1.014
Boiling point	°C	161
Freezing point	°C	15
Heat of polymerization	kcal/kg	184
Solubility (Water)	g/L	98
Flash point (Closed cup)	°C	67
Flash point (Open cup)	°C	77
Ignition point	°C	400
Limits of flammability	vol %	1.6 ~ 8.7
Viscosity	cP	1.25 at 25°C

- ❖ REMARKS: The listed values should be used for reference purpose only.