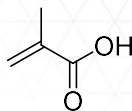


MERACRYL GMAA
Methacrylic acid**Methacrylic acid**

CAS-Nr.: 79-41-4

Quality on supply:

- Appearance: clear and colorless liquid
- Odor: pungent

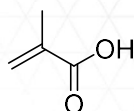
STANDARD SPECIFICATION

		Test Method	
Degree of purity	min. 99,50 %	M76	HPLC
Water content	max. 0,20 %	M3	according to Karl Fischer
Color	max. 20	M5	Pt-Co
Stabilization*	200 ± 20 ppm MEHQ	M1-7	HPLC

* The stabilization can be increased on request.

MERACRYL GMAA

Methacrylic acid



Following data are not part of the product specification but serve as benchmarks.

PHYSICAL DATA

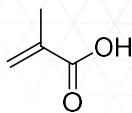
Molecular weight	86,1 g/mol
Density	1,01 g/cm ³ at 20 °C
Refractive index	1,432 at 20 °C
Boiling point	162 °C at 1.013 hPa
Vapor pressure	0,97 hPa at 20 °C
Freezing Temperature	15,5 °C
Heat of polymerization	66,3 kJ/mol
Viscosity (kinematic)	1,38 mPa·s at 20 °C
Ignition temperature	400°C
Flash point	67 °C at 1.013 hPa
Solubility in water	98 g/l at 20 °C

REGISTRATION

REACH	registered
included in TSCA	+

MERACRYL GMAA

Methacrylic acid



General Hints

For information about health protection and shipment see our Safety Data Sheet.

Application

Paint resins, water-soluble polymers, base material for the manufacture of methacrylic esters.

Shelf life

Of the standard stabilized product: 6 months between 20 °C and 25 °C from date of delivery.

Maintain the temperature of the methacrylic acid between 18 °C and approx. 35 °C. The ideal storage temperature is 20 °C - 25 °C. Can polymerize with intense heat release. Higher temperature such as 40 °C can be safely tolerated for short times such as during transportation or inventory turnover.

Below 16 °C methacrylic acid crystallizes and is depleted of dissolved oxygen and inhibitor. Hence the process of unfreezing must be done very carefully.

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