

**Application**

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

<b>VISIONER<sup>®</sup> GMAA</b> <b>Methacrylic acid</b>
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CAS 79-41-4

**Sales Specifications**

		<i>Test Method</i>
Degree of purity:	min. 99.5 %	MAS009 (GC)
Water content:	max. 0.2 %	MAS006 (K. Fischer)
Color:	max. 20	MAS002 (Visual comparison to standard)
Stabilization*:	250 ± 25 ppm MEHQ	

\* Please specify the stabilization concentration as the order placed

(Continued)

For more information contact:

**EVONIK CYRO LLC**

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# Methacrylic Acid

## Physical data

Appearance: clear, colorless liquid  
Odor: pungent

Molecular weight: 86.1 g/mol  
Density: 1.015 g/cm<sup>3</sup> (20 °C)  
Refractive index: 1.432 (20 °C)  
Boiling point: +161 °C (1013 mbar)  
Vapor pressure: 0.8 mbar (25 °C)  
Solidification point: +15.8 °C  
Heat of polymerization: 66.3 kJ/mol  
Viscosity: 1.38 mPa·s (20 °C)  
Flash point: +65 °C (DIN 51755)  
Solubility: above 24 °C miscible with water in any ratio

**Registration**  
REACH: Pre-registered  
included in TSCA: +

## General hints

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

**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. Depending on the situation, temperatures up to 40°C may occur during transport.**

**Below 16 °C the GMAA crystallizes and is depleted of dissolved oxygen and inhibitor. Hence the process of unfreezing has to be done very carefully.**

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