



Methacrylic acid

Data sheet FM 001

VISIOMER® GMAA

CAS 79-41-4

Quality on supply

Appearance: clear, colorless liquid

Odor: pungent

Standard specification

Degree of purity: min. 99.50 %

Water content: max. 0.20 %

Color: max. 20

Stabilization: 200 ± 20 ppm HQME

Roehm method

M76 (HPLC)

M3 (according to
K. Fischer)

M5 (Pt-Co)

M1-7 (HPLC)

Technical service
Phone (06151) 18-45 06
(06151) 18-44 38

FM 001

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

Physical data

Molecular weight:	86.1 g/mol
Density:	1.015 g/cm ³ at 20 °C
Refractive index:	1.432 at 20 °C
Boiling point:	161 °C at 1.013 hPa
Vapor pressure:	0.8 hPa at 25 °C
Solidification point:	15.8 °C
Heat of polymerization:	66.3 kJ/mol
Viscosity:	1.38 mPa·s at 20 °C
Flashpoint:	65 °C (DIN 51755)
Solubility:	above 24 °C miscible with water in any ratio

General Hints

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

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

Registration

REACH:	pre-registered
included in TSCA:	+

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 MAS crystallizes and is depleted of
dissolved oxygen and inhibitor. Hence the process of
unfreezing has to be done very carefully.**

Version: Dec. 2008

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.