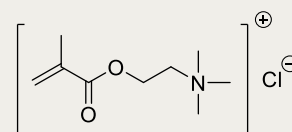


**Product Information**
**VISIOMER® TMAEMC**

**2-Trimethylammonium ethyl methacrylate chloride**  
**75 % solution in water**

CAS-No.: 5039-78-1

**Quality on supply**

Appearance: clear, colorless to yellowish liquid

Odor: faintly ester-like

**Standard specification**

|                  |                   | Test Method |                                  |
|------------------|-------------------|-------------|----------------------------------|
| Active substance | 75 ± 1 %          | M6          | (Cl- titr.)                      |
| Chloride content | 3.56–3.66 meq/g   | M6          | (Cl- titr.)                      |
| Color            | max. 200          | M5          | (Pt-Co)                          |
| pH-value         | 3 –5              |             | (10 % in deionised water, 23 °C) |
| Stabilization    | 600 ± 60 ppm MEHQ | M1-1        | (HPLC)                           |

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

## Physical Data

|                      |                                |
|----------------------|--------------------------------|
| Molecular weight     | 207.7 g/mol                    |
| Density              | 1.1 g/cm <sup>3</sup> at 20 °C |
| Refractive index     | 1.466 at 20 °C                 |
| Boiling Temperature  | approx. 100 °C at 1,013 hPa    |
| Vapor pressure       | < 23 hPa (20 °C)               |
| Freezing Temperature | – 67 °C                        |
| Viscosity            | 20 – 50 mPa·s at 23 °C         |
| Flash point          | not applicable                 |
| Solubility in water  | (20 °C) miscible               |

## Registration

|                  |  |
|------------------|--|
| REACH            | pre-registered, registered or exempted |
| included in TSCA | +                                      |

## General Hints

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

## Application

Polymerization and copolymerization in bulk, emulsion and solution. Base material for the paint, leather, paper and textile industries.

**Shelf life** of the standard stabilized product: 6 months at max. 30 °C from date of delivery

Ref.–No.: VISIOMER® EMA / AM 002–e – 12/2008

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.

\* = registered trademark

**Evonik Operations GmbH**  
Specialty Methacrylates  
Kirschenallee  
64293 Darmstadt  
Germany

visiomer@evonik.com  
[www.visiomer.com](http://www.visiomer.com)  
[www.evonik.com](http://www.evonik.com)