**标题**

** tert-Butylaminoethyl Methacrylate (TBAEMA) **

**Methacrylic acid ester for manufacturing polymers and for use as a feedstock for syntheses**

**分子式**

\[ \text{C}_{10}\text{H}_{19}\text{O}_{2}\text{N} \]

**产品规格**

<table>
<thead>
<tr>
<th>指标</th>
<th>要求</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assay (Gas chromatography)</td>
<td>min. 97.5 %</td>
</tr>
<tr>
<td>Water content (ASTM E 203)</td>
<td>max. 0.2 %</td>
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<tr>
<td>Color on dispatch (APHA, ASTM D 1209)</td>
<td>max. 50</td>
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<tr>
<td>Standard stabilization (HPLC)</td>
<td>1100 ± 250 ppm MEHQ</td>
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上述数据构成产品在风险转移时的协议质量。这些数据定期接收质量保证程序的控制。这些数据或产品样品的特性不会构成法律上的保证。我们不会从中产生任何责任。

**其他性质**

- **外貌**
  - 无色液体
- **密度**
  - 25 °C: 0.914 g/cm³
- **沸点**
  - 100 – 105 °C
- **闪点**
  - 82 °C at 13.3 hPa
- **熔点**
  - 96 °C
- **功能性（理论）**
  - 2
- **Tg homopolymer**
  - 22 °C

**标签**

按本地指令标签

见SDS
Applications
tert-Butylaminoethyl Methacrylate (TBAEMA) forms homopolymers and copolymers. Copolymers of tert-Butylaminoethyl Methacrylate (TBAEMA) can be prepared with acrylic acid and its salts, amides and esters, and with methacrylates, acrylonitrile, maleic acid esters, vinyl acetate, vinyl chloride, vinylidene chloride, styrene, butadiene, unsaturated polyesters and drying oils, etc.

Tert-Butylaminoethyl Methacrylate (TBAEMA) is also a very useful feedstock for chemical syntheses, because it readily undergoes addition reactions with a wide variety of organic and inorganic compounds. Tert-Butylaminoethyl Methacrylate (TBAEMA) make it ideal for use in anticorrosive and automotive coatings. tert-Butylaminoethyl Methacrylate (TBAEMA) is also used in industrial and consumer adhesives and coatings, and oil additives. tert-Butylaminoethyl Methacrylate (TBAEMA) is also used in photopolymer plates, photoresists, paints, rubber modifiers, dental composites and cosmetics. tert-Butylaminoethyl Methacrylate (TBAEMA) is incorporated in flocculants or coagulants for water treatment, and is an excellent stabilizer or surface active demulsifier in oil in water separations and in liquid dispersion polymers. tert-Butylaminoethyl Methacrylate (TBAEMA) has FDA clearance for use as basic components of single and repeat use food contact surfaces. Refer to US Code Federal Regulations Title 21: 21CFR 117.1010.

Features & Benefits
tert-Butylaminoethyl Methacrylate (TBAEMA) is a monofunctional acrylate monomer with dual methacrylic and amine reactivity. It offers excellent adhesion to metallic and plastic substrates, and low shrinkage properties.

The amine group in tert-Butylaminoethyl Methacrylate (TBAEMA) confers water solubility by quaternization to ammonium salts used for preparation of cationic polymers.

Tert-Butylaminoethyl Methacrylate (TBAEMA) can be used to impart the following properties to polymers:

- Adhesion
- Water solubility
- Low shrinkage
- Surface active demulsifier
- Charge introduction
- Hydrophobicity

Storage & Handling
In order to prevent polymerization, tert-Butylaminoethyl Methacrylate (TBAEMA) has been shipped with stabilizer included. Contrary to other acrylates the presence of oxygen is not required for the stabilizer to function effectively. Storing the product under inert atmosphere avoids coloration of the product. The storage temperature must not exceed 25 °C. Under these conditions, a storage stability of twelve months can be expected upon delivery. In order to minimize the likelihood of overstorage, the storage procedure should strictly follow the “first-in-first-out” principle.

Storage tanks and pipes should be made of stainless steel or aluminium. Storage tanks, pumps and pipes should be earthed.

Safety
A Safety Data Sheet has been compiled for tert-Butylaminoethyl Methacrylate (TBAEMA) that contains up-to-date information on questions relevant to safety.
Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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