

2-(Diethylamino)ethyl Methacrylate (DEAEMA)

Amine-functional methacrylate monomer for selected functional acrylic polymers, coatings and cationic intermediates.

CAS No. 105-16-8	EC / List No. 203-275-7	Transport Non-dangerous goods
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Product Information

2-(Diethylamino)ethyl methacrylate, DEAEMA, CAS 105-16-8, combines a tertiary diethylamino group with a polymerizable methacrylate group. Its amine functionality supports selected functional acrylic polymers and cationic intermediates. It differs chemically from dimethylaminoethyl methacrylate.

Specifications

Parameter	Specification
Appearance	Clear colorless liquid
Purity	≥99.5 %
Acid value, stated TDS basis	≤0.01 %
Moisture	≤0.05 %
Colour	≤20 APHA
Inhibitor	500±50 ppm

Supply specifications follow the stated ZXCHEM TDS. Select the grade against the intended process and evaluate the complete formulation.

Typical Properties

Property	Typical Value
Molecular formula	C10H19NO2
Molecular weight	185.26 g/mol

Applications

Functional acrylic polymers: Amine-functional comonomer for selected acrylic systems. Evaluate conversion, solution behaviour, viscosity and the finished polymer properties.

Coatings and adhesives: Reactive ingredient for selected functional coating and adhesive development. Test compatibility, film formation, substrate adhesion and ageing.

Cationic and textile intermediates: Intermediate for selected quaternization and textile-polymer processes. Establish reaction conditions and assess deposition and durability.

Packaging / Storage

Item	Information
Packing	190 kg plastic drums
Storage	Keep sealed in the original inhibited condition in a cool, shaded, ventilated controlled-access area. Protect from moisture, heat and light and keep away from copper, oxidizers and initiators.
Handling	Use closed transfer or effective local extraction and avoid aerosol formation. Wear compatible gloves, goggles, face protection and protective clothing. Apply reproductive-risk exposure controls and controlled polymerization procedures.

Company Contact

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