

Triethylene Glycol Dimethacrylate

CAS No.	EINECS No.	UN No.	Molecular Formula / Product Type
109-16-0	203-652-6	Not assigned in stated reference	C ₁₄ H ₂₂ O ₆ ; 286.32 g/mol

Product Description

Triethylene glycol dimethacrylate is a difunctional reactive monomer. The supplied inhibited grade controls GC assay, viscosity, color, acid value, density, refractive index, water and MEHQ inhibitor content.

Specifications

Parameter	Specification
Appearance	Clear, colorless liquid
GC assay	≥95 %
Color, APHA	≤30
Viscosity at 25°C, spindle 1 / 60 rpm	8–15 mPa·s
Acid value	≤0.5 mg KOH/g
Density at 25°C	1.040–1.100 g/cm ³
Refractive index at 25°C	1.455–1.465
Water	≤0.5 %
MEHQ inhibitor	200–300 ppm

Applications

- Reactive coatings: Assess viscosity, curing response and crosslink density in industrial coating formulations.
- Adhesive formulation: Compare compatibility and cure behavior in qualified reactive adhesive systems.
- Reactive resin development: Evaluate monomer handling, inhibitor management and the intended polymerization process.

Packaging and Storage

Packaging	200 kg drums; confirm compatible packaging and applicable mode-specific transport requirements.
Storage	Keep tightly closed in a cool, ventilated place protected from sunlight and excessive heat. Use compatible containers and prevent contamination. Avoid strong oxidizers, radical initiators and uncontrolled heat. Maintain the inhibitor-management procedure.

Safety and Regulatory

Professional-use technical information. Review the corresponding reference SDS, workplace controls and destination-market requirements. Transport entries apply to the reference identity, form and concentration. For qualified industrial formulation and curing use. EU REACH Annex XVII application-specific restrictions, including tattoo/skin-contact uses, require separate assessment. A monomer listing does not imply dental or medical authorization.

Company Contact

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The information is provided in good faith for professional evaluation. Specifications apply to the stated commercial grade; users must confirm suitability, regulatory compliance and safe handling for their intended application.