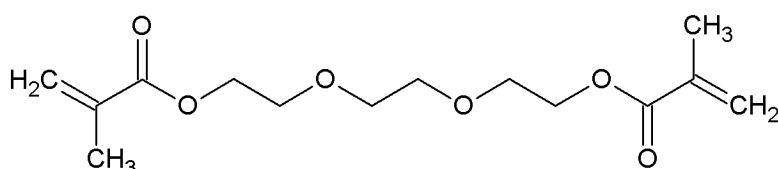


# Bisomer<sup>®</sup> TEGDMA

Bisomer<sup>®</sup> TEGDMA (Triethyleneglycol Dimethacrylate).

## Chemical Structure



CAS Number: 109-16-0

## Typical Physical Properties \*

Property	Value	Method
Appearance	<b>Clear liquid</b>	(E284; 01-13)
Water content, % (mass)	<b>0.2 max</b>	(E203; 23-01)
Inhibitor (MEHQ) content, ppm (mass)	<b>250 - 400</b>	(D3125; 13-08)
Colour number, Pt/Co	<b>100 max</b>	(D1209; 03-18)
Total Polymerisable Monomers, % (mass)	<b>99 min</b>	(01-42)
Molecular weight (av), g / mol	<b>286</b>	

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\* The typical values presented here are believed to be accurate; they should not, however be considered to constitute a specification.

### Applications

**Bisomer<sup>®</sup> TEGDMA** is a low viscosity aliphatic dimethacrylate monomer ideal as a co-monomer for improving hardness and mechanical properties in plastics, polyolefins, adhesives and sealants. It is especially used to improve mechanical properties of unsaturated polyesters and acrylic polymers such as acrylic sheet and acrylic flooring.

**Bisomer<sup>®</sup> TEGDMA** is an excellent reactive diluent in peroxide curable formulations due to its low viscosity and ease of handling. It is non-toxic, non-sensitising and non-irritating.

It is ideal in dibenzoyl peroxide (BPO) cured applications and excellent for use in the production of UV cured photopolymers such as flexographic printing plates. It is widely used in photopolymers, wire and cable coatings, adhesives and sealants.

**Bisomer<sup>®</sup> TEGDMA** offers excellent compatibility with unsaturated polyesters for chemical fixings and anchor bolts.

### Product Compliance

Swiss Ordinance 817.023.21 – Listed (Part A)

**Registration & Regulatory Information:** Please refer to the safety datasheet.

**Handling & Storage:** This product can be stored for up to 3 years at ambient storage temperature and conditions without any deterioration. Please refer to the safety datasheet for more details.

**Miscellaneous:** Various pack types available; please contact your local GEO Specialty Chemicals representative for further information.

All information and data, including the formulations and procedures discussed herein, are believed to be correct. However, this should not be accepted as a guarantee of their accuracy, and confirming tests should be run in your laboratory or plant. No statement should be construed as a recommendation for any use which would violate any patent rights. Sales of all products are pursuant to terms and conditions included in GEO Specialty Chemicals sales documents. Nothing contained therein shall constitute a guarantee or warranty with respect to the products described or their use. Safety information regarding these products is contained in their Safety Data Sheets. Users of these products are urged to review and use this information.

**REVISION DATE: OCTOBER 2020**

Bisomer<sup>®</sup> is a registered trademark of GEO Specialty Chemicals, Inc.



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