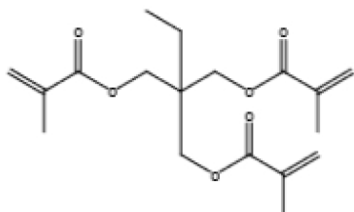


### TRIMETHYLOLPROPANE TRIMETHACRYLATE

#### INTRODUCTION

EBECRYL® TMPTMA, CAS No. 3290-92-4, is a trifunctional monomer which polymerizes when exposed to sources of free radicals. EBECRYL® TMPTMA forms homopolymers and copolymers. EBECRYL® TMPTMA is compatible with a wide range of acrylated- and methacrylated resins.



#### PERFORMANCE HIGHLIGHTS

EBECRYL® TMPTMA is characterized by:

- Good hardness
- High cross-linking density
- Fast curing
- Good heat resistance
- Good chemical resistance

#### SUGGESTED APPLICATIONS

- Elastomer and Rubber: co-agent for peroxide curing system
- Plastic and Polymer: cross-linking agent for free radical polymerization systems
- Adhesives
- Sealant

#### TYPICAL VALUES

Appearance	Clear liquid
Colour, Apha	max. 100
Purity (GC), %	90
Stabilizer (MeHQ), ppm	100 - 300
Acid content, %	max. 1
Water content, %	max. 0.1

#### PHYSICAL PROPERTIES

Density at 20°C, g/cm <sup>3</sup>	1.07
Flash Point, °C	81
Dynamic viscosity at 25°C, mPa.s	50 - 70
Functionality, theoretical	3
Molecular weight, Dalton	338
Refraction index, 20°C	1.4720

#### PRECAUTIONS

The following is a summary of the precautions to be taken when handling this product. Please refer to the Safety Data Sheet for further details.

The toxicological properties of this material have not been fully determined. Products of this type can be expected to be eye and skin irritant and have the potential to cause sensitization or other allergic responses. Appropriate precautions should be taken to avoid eye and skin contact and to avoid inhalation of the aerosols or vapors.

Consult the relevant Safety Data Sheet for appropriate handling procedures and protective equipment prior to using this or any other material referred to in this bulletin.

See Safety Data Sheet for emergency and first aid procedures.

#### STORAGE AND HANDLING

Care should be taken not to expose radiation curable products to temperatures exceeding 40°C for prolonged periods or to direct sunlight. This might cause uncontrollable polymerization of the product with generation of heat.

Storage and handling should be in stainless steel, amber glass, amber polyethylene or baked phenolic lined containers. Do not store this material under an oxygen free atmosphere. Use dry air to displace material removed from the container. This material should not be stored for more than 2 years.

#### STATUTORY LABELING

For Statutory Labeling information, please refer to Safety Data Sheet.