

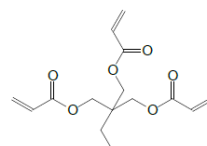
Monomer TMPTA

Product Description

Trimethylolpropane triacrylate (TMPTA) is a general purpose tri-functional acrylate diluent used in ultraviolet light (UV) and electron beam (EB) curable inks and coatings. It imparts crosslinking to the cured polymer providing hardness and chemical resistance. It is a cost effective diluent compatible with the wide range of acrylated resins.

Chemical Data

Chemicals Name	2-Propenoic acid, 2-ethyl-2{[1-oxo-2-propenyl]oxy}}methyl]-1, -3 propanediyl ester
CAS:	15625-89-5
Molecular Formula	



Typical Properties

Appearance	Clear liquid
Color (APHA), max.	≤ 50
Viscosity, 25°C, cps	80-135
Density, g/ml at 25°C	1.1
Water wt% max	≤ 0.1
Acid value, mg KOH/g, max.	≤ 0.3

Advantages

- Low color and viscosity
- Good chemical resistance
- High gloss
- Rapid cure response
- High cross-link density
- Excellent hardness

Applications

UV or EB cured inks, coatings, varnishes, and adhesives

Packing & Storage

- 200kg Metal Drums
- This monomer should be stored indoors in the original, unopened and undamaged containers in a dry place at storage temperatures below 38°C. Exposure to direct sunlight should be avoided
- Recommended shelf life is 1 year

All the information above is based on data obtained at laboratory and is not to be used for certifying the suitability of the product. Users are advised to test the product in their own system before purchase.