

Monomer TMPTA

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CAS No. 15625-89-5

Chemical Group

Trimethylolpropane triacrylate (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

Chemicals Name

2-Propenoic acid, 2-ethyl-2[[1-oxo-2-propenyl)oxy]]methyl]-1, -3 propanediyl ester

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

Physical Data

Density (g/cm ³)	1.1
Form of supply	Clear liquid
Moisture (%)	≤ 0.1
Colour, Pt-Co scale	max. ≤ 50
Viscosity	25°C, cps 80-135
Acid value	≤ 0.3mg KOH/g, max

Packaging, Shipping & Storage

Monomer TMPTA is supplied as clear liquid. The product is packed in 200 kg metal drum and shipped on pallets of 800 kg. Store indoors in the original, unopened containers in a dry place below 38°C, away from direct sunlight. Shelf life: 1 year from manufacturing date.

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.