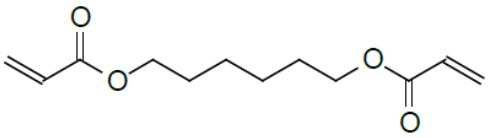
Monomer HDDA / HDODA

Product Description

Hexanediol diacrylate (HDDA or HDODA) is a general purpose difunctional reactive diluent that is commonly used in ultraviolet light (UV) and electron beam (EB) curable inks and coatings. It is particularly useful for improving elasticity, weathering and adhesion. It also has excellent water resistance.

Chemical Data

Chemicals Name	2-Propenoic acid, 1,6-hexanediyl ester
CAS:	13048-33-4
Molecular Formula	



Typical properties

Appearance	Clear liquid
Color (APHA) max.	≤ 50
Viscosity, 25°C, cP/mPa·s	5-10
Density, g/ml at 25°C	1.02
Water, wt. %, max.	≤ 0.1
Acid value, mg KOH/g, max.	≤ 0.3

Advantages

- Very low viscosity
- Low color
- Efficient reduction of oligomer viscosity
- Improved elasticity
- Improved weathering
- Good cure response at low cross-link density
- Improved adhesion
- Good water resistance

Applications

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

- Improved adhesion to plastics, metal and glass
- Exterior durable coatings and inks

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