

## L-61059 (EO2HDDA) 2 (ethoxylated) 1,6-hexanediol diacrylate

CAS#: 84170-27-4

Molecular weight (g/mol): 314

### Description

**L-61058** EO2HDDA is a difunctional ethoxylated 1,6-hexanediol diacrylate monomer that reduces skin irritation and improves flexibility. It has low viscosity, strong dilution ability, and has a swelling effect on plastic substrates, effectively improving and promoting adhesion to plastic substrates. It is used in UV polymerization reactions of various unsaturated systems: UV coatings, UV inks, and UV adhesives.

### Technical data

Appearance	Transparent liquid
Color Value (APHA)	≤50
Acid value (mg KOH/g)	≤0.5
Viscosity (25°C, CPS)	12--20
Moisture %	≤0.2
Inhibitor (ppm)	≤200
Refractive Index	1.459
Surface tension Dynes/cm, 20°C	37
Glass transition temperature Tg, °C	32
Functional Group	2

### Performance

Low shrinkage, good flexibility

High reactivity, fast curing speed

Low viscosity, strong dilution ability

Extremely low volatility, low skin irritation

### Applications

UV adhesives, UV inkjet, UV inks, UV coatings, UV wood coatings, UV flexographic printing, UV overprint varnishes, etc.

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### **Storage**

To prevent the product from being highly active and causing a polymerizing reaction, please seal it and store it away from heat sources and sunlight. The recommended storage temperature is no higher than 30°C. Unused products must be sealed and stored in a timely manner. Do not store them in the open. At 25°C and with ventilation, the safe storage period is 6 months.

25KG/200KG/barrel

**Tips:L-61059 EO2HDDA has better water solubility and better compatibility in UV water-based coatings, which increases coating spreadability and reduces the shrinkage phenomenon of incompatible materials.**

Note: Technical data represents typical values only. In view of the differences in formulas, production process, conditions, all the above statements must be adjusted according to the actual situation, our company does not make any promises. Our company reserves the right to reform its products without prior notice of any changes.