

L-61011(HEA) Hydroxyethyl Acrylate

CAS#818-61-1

Description

L-61011 HEA contains vinyl groups that can copolymerize with various unsaturated monomers to form polymers with hydroxyl-functional side chains. These functional groups are particularly suitable for both prepolymer and post-polymer crosslinking reactions. In addition to its use in automotive coating formulations, HEA is widely applied in UV-curable systems, where it can be linked to diisocyanates, diepoxy resins, and other reactive oligomers and prepolymers, making them highly polymerizable under UV light. The resulting polymers are used in wood coatings, printing inks, and adhesives.

Technical Data

Appearance	Transparent liquid
Molecule Weight (g/mol)	116
Acid Value (mg KOH/g)	≤ 0.1 max
Color Number (APHA)	≤ 30
Viscosity (25°C, CPS)	5 - 10
Density d (g/mL, 25/4°C)	1.106
Boiling Point (°C, normal pressure)	82
Flash Point (°C)	99
Tg (°C)	-15
Refractive Index	1.466
Functional Group	1

Product Features

Fast reaction speed with good flexibility
Low skin irritation

Applications

Synthetic UV resins; UV adhesives; 3D UV printing resins; UV nail polishes; UV inks; UV coatings; water-based UV coatings, etc.

Storage Conditions

To prevent premature polymerization due to the high reactivity of this product, keep it tightly sealed and store away from heat sources and direct sunlight. It is recommended to maintain storage temperature below 30 °C. Unused product should be promptly resealed and must not be left open. Under ventilated conditions at 25 °C, the product has a safe storage period of 6 months. Available packaging: 25 kg / 200 kg per drum

Tip:L-61011 Fast response, good flexibility, containing hydroxyl, synthetic intermediate.

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.