L-61039(HPA) Hydroxypropyl Acrylate

CAS#25584-83-2

Description

L-61039 HPA molecule ontains a vinyl double bond that can copolymerize with various unsaturated monomers to form polymers with hydroxyl functional groups on their side chains. These hydroxyl groups are especially suitable for pre-polymerization and post-polymerization crosslinking reactions. In addition to its use in automotive coating formulations, HPA is widely applied in UV-curable systems, where it can be linked to oligomers and prepolymers containing diisocyanate, diglycidyl, or other reactive groups. Under UV irradiation, these systems polymerize readily, producing coatings, printing inks, and adhesives with excellent performance.

Technical Data

Appearance	Transparent liquid
Molecule Weight (g/mol)	130.14
Acid Value (mg KOH/g)	0.1 max
Color Number (APHA)	≤ 20
Viscosity (25ºC, CPS)	8 - 12
Density d (g/mL,25/4℃)	1.054
Boiling Point (ºC, normal pressure)	77
Flash Point (ºC)	99
Tg (℃)	-15
Refractive Index	1.446
Functional Group	1

Product Features

Fast response, good flexibility
Low skin irritation

Applications

Synthetic UV resins; UV adhesives; 3D UV printing reins; 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

Tips: L-61039 has fast reaction speed, good flexibility, contains hydroxyl group, and is a synthetic intermediate.