Lencolo®
蓝柯路

TDS

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L-6103 TBCH 4-tert-butylcyclohexyl Acrylate

CAS#84100-23-2

Description

L-6103 is a specially modified UV monomer featuring ultra-low viscosity, high elasticity, fast curing speed, excellent chemical resistance, good wetting properties, low volatility, and low irritation. It exhibits strong adhesion to a wide range of substrates, making it ideal for adjusting flexibility, adhesion, and viscosity in highly flexible UV systems.

Technical Data

Appearance	Colorless or slightly yellow transparent liquid
Viscosity (25ºC, CPS)	10 - 25
Color Number (APHA)	≤ 40
UV Content (%)	100
Density (g/cm³, 25°C)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 2
Functional Group	1

Product Features

Ultra-low viscosity, low volatility, low irritation, very low odor

Excellent toughness, impact resistance, foldability

Outstanding water resistance, thermal stability, chemical resistance, and wetting properties

Exceptional adhesion, particularly to difficult-to-bond substrates such as PET/PE and PMMA

Applications

UV adhesives; 3D UV printing resins; UV nail polishes; UV inks; 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-6103 exhibits strong adhesion to special substrates such as PMMA, PET, PE, and PP, making it ideal for enhancing adhesion in adhesive formulations