

## L-8120 Reactive Tertiary Amine UV-Curable Resin

### Description

**L-8120** is a very low-odor, difunctional tertiary amine UV resin with a special acrylate ester structure. It provides abundant active hydrogen, effectively reducing oxygen inhibition and enhancing curing speed. Formulations incorporating this resin exhibit excellent surface-dry performance. Compared with other tertiary amine products in the same category, it has a very light appearance, minimal color change during storage, and outstanding yellowing resistance.

### Technical Data

Appearance	Light Yellow Transparent Liquid
Color Value (Gardner)	≤ 2
Viscosity (25°C, CPS)	15 - 35
Water (%)	≤ 0.1
Polymerization Inhibitor (ppm)	100 - 300
Refractive Index	1.456
Surface Tension Dynes/cm, 20°C	36.9
T <sub>g</sub> (°C)	-16
Amine Mediator (mgKOH)	200-220
Functional Group	2

### Product Features

Extremely low odor, low skin irritation, efficient surface drying performance, excellent yellowing resistance, and excellent compatibility.

### Applications

Widely used in UV coatings, UV 3D printing inks, UV screen-printing inks, UV adhesives, UV solder mask inks, UV inkjet inks, UV nail gels, UV flexographic printing, UV roll coating, and other unsaturated systems for photopolymerization reactions.

### 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: 25kg / 200 kg per drum

**Tips: L-8120 increases the crosslink density of the coating while simultaneously enhancing its flexibility.**

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.