

Lencolo 5008 (1173) Surface-drying Photoinitiator

CAS#: 7473-98-5

Description

Lencolo 5008 is a versatile and efficient photoinitiator, which can be used for the polymerization of unsaturated prepolymers, such as: acrylate, with single-name or multi-functional vinyl monomers. Can also be used in aqueous systems.

Technical data

Molecular formula	C10H12O
Molecule weight(g/mol)	164.2
Ingredients	2-Hydroxy-2-methyl-1-phenyl-acetone
Appearance	Colorless or light yellow liquid
Melting point	80-81
Purity (%)	≥98
Density	1.08g/cm³
Absorption peak (nm)	244、278、322

Performance

It is suitable for acrylic-based light-curing varnish systems, such as paper varnishes, metal varnishes, plastic paints, UV printing inks, etc. It can also be used in adhesives. As a liquid UV initiator, it has good compatibility and is especially easy to mix. Therefore, it is especially suitable for mixing with other initiators, and it can also be added together with other initiators. Especially recommended for UV coatings exposed to sunlight for a long time due to its good yellowing resistance.

Applications

This product is mostly used in white system, and can be used in photocurable coatings, printing inks, UV curing adhesives, optical fiber coatings, photoresists, photopolymerization printing plates, stereolithography resins, composite coating materials, dental fillings, etc.

Usage

Solubility (20°C, g/100g)
Compatible with most common organic solvents and most acrylic-based monomers.
Addition amount:
film thickness 5-20mm 2-4%, film thickness 2-200mm 1-3%
Users are advised to conduct experiments to determine the optimal dosage before use.

Storage

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Recommended storage temperature is not higher than 30°C. Unused products must be sealed and stored in a timely manner and cannot be stored in the open. Safe storage time is 6 months at room temperature(25°C) and under ventilation. 25KG/barrel

Tips: Lencolo 5008 is a liquid initiator with excellent compatibility and surface dryness.

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.