

Lencolo 5023 (369) Photoinitiator

CAS#: 119313-12-1

Description

Lencolo 5023 is a high-efficiency UV photoinitiator used to initiate UV polymerization of unsaturated prepolymerized systems. The unique high absorption characteristics of this photoinitiator make it especially suitable for UV-curable inks and colored coatings.

Technical data

Molecular formula	C23H30N2O2
Molecule weight(g/mol)	366.5
Ingredients	2-Benzyl-2-dimethylamino-1-(4-morpholinephenyl)butanone
Appearance	Light yellow powder
Melting point(°C)	110-114
Purity (%)	≥99
Volatile content(%)	≤0.5
Ash content(%)	≤0.1
Absorption peak(nm)	233、323

Applications

UV curable inks and varnishes for paper, metal and plastic surfaces.

Usage

Solubility (20 C, g/100g)

Solvent or monomer(Solubility): Acetone(17), Butyl acetate (11) , Toluene (27) , Hexylene glycol diethyl ester (5) ,N-vinylpyrrolidone (25)

Offset ink: 2~4% Colored paint: 1~4%

Screen ink: 2~4% Applied in imaging field: 3~6%

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. 20KG/bag

Tips: Lencolo 5023 has high photosensitivity, low migration and low odor.

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.