

Lencolo 8551 Pigment Stabilizer

Description

Lencolo 8551 is an important, high-efficiency, environmentally friendly liquid stabilizer for UV-curable formulations, primarily used to extend the storage life of UV products. It prevents self-polymerization of UV-curable inks, UV coatings, photoresists, adhesives, unsaturated polyester resins, vinyl monomers, and similar materials during storage. The product offers excellent performance, effective stabilization, and a wide range of applications.

Technical Data

Appearance	Liquid phase No. 16~17
Viscosity (25°C, CPS)	15 - 25
Color Value (Gardner)	≤4
UV Content (%)	100
Density (25°C, g/cm³)	1.1±0.05

Product Features

Can be used in UV resins, UV varnishes, UV adhesives, and UV-curable coatings (UV plastic coatings) as a polymerization inhibitor, preventing gel oxidation and extending the storage life of resin solutions while enhancing stability.

Acts as an efficient polymerization inhibitor for acrylate and vinyl monomers as well as resins.

Particularly effective in UV nail gels, 3D UV printing, and UV inks, especially in products containing thiols or active amines.

Must be added when dissolving solid resins with monomers to effectively prevent short-term gelation, achieving superior performance.

Applications

UV adhesives; 3D UV printings; UV nail polishes; UV inks; UV coatings, etc.

Recommended Usage

Add in the later stage of the formulation.

Addition level: 0.2–2% based on the total amount of resins and monomers.

It is recommended that users perform a trial prior to use to determine the optimal addition level.

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 per drum

Tip: Lencolo 8551 exhibits a pronounced anti-gelation effect in UV nail gels, 3D UV printing, and UV inks. Especially essential for products containing thiols or active amines, or for solid resins dissolved with monomers. Its performance is superior to that of 8550.

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.