Adhesion promoter

RT-3237

Features and advantages:

RT-3237 is an excellent phosphate ester adhesion promoter, commonly used as a reactive oligomer in UV curing systems. It can form strong chemical or ionic bonds with various substrates (especially inorganic materials such as metals, glass, ceramics, etc.), greatly improving the adhesion of coatings or inks to substrates.

1. Significantly improve the adhesion and bonding strength of the material.

2. Improving the wettability of the substrate can reduce the surface tension of the system, enhance the wetting ability of the substrate, especially high surface energy substrates, and also contribute to the improvement of adhesion.

3. A certain degree of flame retardancy, the phosphate ester structure is a classic flame retardant group. This makes it very useful in UV coatings for electronic and electrical products that require flame retardancy.

Product Parameters：

Appearance	Colorless or pale yellow clear liquid
Effective copies	99%
Acid value (mgKOH/g)	150-180
Aggregation inhibitor (MEHQ ppm)	300-500
Main ingredients	Acrylic ester phosphate ester

Application fields:

Widely used in various free radical polymerization reaction systems such as UV coatings, UV adhesives, UV inks, etc., it also exhibits good adhesion properties to substrates such as metals, glass, and ceramics.

Usage:

- It is recommended to add it during the paint mixing stage, usually at a recommended amount of 1.0-5.0% of the total formula.
- Due to significant differences in product formulas, the accurate amount and effectiveness of product additives should be determined through experimentation based on the specific formula.

Packaging:

25KG/drum.

Storage:

This product is sensitive to ultraviolet radiation and should be sealed and stored in a dry, cool, ventilated place, away from light and direct sunlight; The shelf life of unopened products under recommended storage conditions is 6 months.

Precautions

This product is acidic, and direct contact with amines and alkaline substances should be strictly avoided during use; Will hydrolyze and become ineffective when in contact with water