Synergistic Super Dispersant DCA-8450

Introduction

DCA-8450, a derivative of phthalocyanine blue, is a surface-functionalized derivative of phthalocyanine blue. It significantly enhances the adsorption of superdispersants on the pigment surface, greatly improving dispersion efficiency and reducing grinding viscosity. When dispersing pigments like phthalocyanine blue, phthalocyanine green, and carbon black, the use of DCA-8450 in conjunction with superdispersants shows noticeable effectiveness.

Physicochemical Data

- Chemical composition:Phthalocyanine blue derivative
- Appearance:Blue-black powder
- Active content: 100%

Product features

- DCA-8450 is suitable for dispersing cool color pigments (blue, green, black, etc.) and can significantly reduce viscosity when used with superdispersants, showing good results with various general-purpose superdispersants.
- DCA-8450 offers excellent wettability for phthalocyanine blue, phthalocyanine green, and carbon black, significantly enhancing the dispersibility of these pigments.
- When used in grinding carbon black, DCA-8450 can exhibit a strong blue phase effect.

Application areas

DCA-8450 suitable for water-based, solvent-based, and UV-curing systems, acting as a grinding paste dispersing aid.

Addition Method

The addition amount varies according to the system, generally used in conjunction with superdispersants, the addition rate is 10-25% of the superdispersant used, or 3%-8% for phthalocyanine blue and green, and 5%-20% for carbon black.

Packaging and storage:

25KG paper bag, stored in a cool and dry place.

Note: The purpose of this manual is to provide basic product information to technical personnel involved in the development of coatings, inks, pesticides, and other industries. It is intended for research and reference use and does not carry any warranties. Please conduct preliminary tests to assess its suitability.