

Dispersing agent DCA-597

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Introduction

DCA-597 is a block-type polyurethane dispersant, widely applicable, suitable for both water-based and solvent-based systems, with strong dispersing capabilities for both inorganic and organic pigments. It exhibits excellent anti-floating and anti-flocculation properties.

Physicochemical Data

- Chemical composition: High-molecular-weight block copolymer with pigment-affinitive groups
- Appearance: Yellow transparent solution
- Active content: 50%
- Solvent: Mixed diester/diethyl-methyl amide = 2:1

Product features

- DCA-597 is suitable for medium to high polarity systems and exhibits good compatibility with common coating resins, making it highly versatile in coating systems.
- DCA-597 significantly enhances the wetting and dispersing capability of the base material for pigments, reducing system viscosity, improving flowability, and shortening grinding and dispersing time

Application areas

DCA-597 suitable for medium to high polarity systems

Addition Method

The dosage may vary depending on the specific system:

- For inorganic pigments: 5% to 15%
- For organic pigments: 30% to 50%
- For carbon black: 50% to 100% (based on pigment surface area)

Dosage should be adjusted based on the surface area of the pigments used.

Packaging and storage:

25KG plastic drum, 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.

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