

AFCONA-5581



Chemical Composition

Solution of oligomeric surfactant.

Product general description

Fatty acid-modified oligomers for preparing universal color paste and enhancing color acceptance.

Product properties

AFCONA-5581 is a wetting and dispersing additive for the preparation of water-based universal color paste. It can also be used as a post-dispersant to adjust the stability of multi-pigmented systems, and can be used in cooperation with other high molecular weight dispersants of AFCONA to obtain combined properties.

The characteristics and recommended systems for AFCONA-5581 are as follows:

- 1) AFCONA-5581 can be used together with AFCONA-4560 and AFCONA-4595 to prepare universal colourants, which can be used in water-based industrial coatings and architecture coatings.
- 2) AFCONA-5581 can be used to prepare color paste without resin, and it has good versatility.

Note: AFCONA-5581 may become slightly hazy during long-term storage at or below 5°C. It can be heated up at about 40°C and mix thoroughly prior to use. That does not affect its overall quality.

Product Specification

Non-volatile matter	78 - 82% (150°C, 0.5h)
Density	1.04 - 1.08 g/cm ³ (20°C)
Acid value	12 - 22 mg KOH/g
Amine value	20 - 30 mg KOH/g
Gardner color	Max.6
Appearance	Clear, yellow to slightly hazy liquid (25°C)

Addition and dosage

Calculation method for the required amount of active ingredient on pigment:

Universal colorants:

Inorganic pigments: 5 - 10%

Organic pigments: 10 - 50%

For organic pigments, carbon black and transparent iron oxides that are difficult to stabilize, the actual dosage needs to be determined through practical experiments.

Incorporation

AFCONA-5581 can be incorporated before grinding or post-added as an additive to improve color masterbatch acceptance and color development. Shear force is required to ensure uniform mixing.

Storage

AFCONA-5581 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 3 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

30kg and 210kg non-returnable containers

For product safety information: please take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.