

AFCONA-5051



Chemical Composition

Surfactant-modified phosphate ester polymer.

Product general description

An ionic wetting and dispersing agent for inorganic pigments, mainly titanium dioxide, and fillers.

Product Properties

AFCONA-5051 is a dispersant mainly developed for dispersing and stabilizing transparent iron oxide pigments.

AFCONA-5051 offers the following advantages:

- Optimum transparency
- Higher colour strength
- Flocculation stability
- Lower viscosity
- Better storage stability

AFCONA-5051 could also be used as a dispersant for other inorganic pigments and extenders, where it reduces the viscosity in the dispersion making it very useful in highly filled systems.

AFCONA-5051 differs from AFCONA-5251 by the solvent content.

This makes AFCONA-5051 easier to handle in areas with temperatures below 5°C.

AFCONA-5051 is recommended for manufacturing of resin-free pigment or resin-containing iron oxide pigment concentrates for decorative and industrial paints, where it also offers high stability property.

Note: AFCONA-5051 may become slightly hazy when stored at or below 5°C. This will not affect the quality.

Product Specification

Non-volatile matter	79 - 81% (150°C, 0.5h)
Solvent	Propylene glycol methyl ether acetate
Acid value	85 - 95 mg KOH/g
Gardner color	Max.8
Flash point	44°C
Appearance	Yellow/light brown transparent liquid (25°C)

Addition and dosage

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

Transparent iron oxides	:10 - 20%
TiO ₂	:1.0 - 4.0%
Other inorganic pigments	:3.0 - 10.0%

Incorporation

AFCONA-5051 should be incorporated during the dispersion process.

Storage

AFCONA-5051 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 5 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

30 kg and 210kg non-returnable containers

For product safety information: please refer to the product SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.