

# AFCONA - S520



## Chemical Composition

Polyether modified phosphorous compound.

## Product general description

Anionic wetting and dispersing additive for inorganic pigments, mainly for TiO<sub>2</sub> and extenders.

## Product Properties:

AFCONA-S520 is special designed as effective dispersant for TiO<sub>2</sub>. Therefore, recommended for pure white systems. However, if later the white base need to be tinted with other colors, AFCONA-4010 will be more suitable.

AFCONA – S520 has below special properties and recommended in below systems:

- 1) AFCONA – S520 is tailor made as effective dispersant for TiO<sub>2</sub> and extenders.
- 2) It has very good viscosity decrease properties. In high extender loaded systems, like UPE in artificial marble, AFCONA-S520 gives very strong viscosity decrease to allow higher extender loading.
- 3) Due to its effective viscosity reduction, it also decreases dispersing time.
- 4) AFCONA-S520 could have a catalyzing effect on the reaction in stoving enamels. This may lead to viscosity increase during storage
- 5) Due to its special designed structure, there will be no crystallization when storage at low temperature for long period. And will not influence the application at low temperature condition.

AFCONA-S520 is particularly suitable for the following coating systems:

- automotive (OEM and refinish)
- general industrial
- coil coating
- acid curing

## Product Specification

Active ingredients	50 - 54%
Solvent	Methoxy propyl acetate /Alkylbenzene
Density	1.005 – 1.045 g/cm <sup>3</sup>
Acid Value	45 - 55 mg KOH/g
Flash point	42°C
Colour	Max.5
Appearance	Clear, yellow liquid

## Addition and dosage

1.0 - 5.0% based on TiO<sub>2</sub> or extenders  
5.0 - 10.0% based on other inorganic pigments

## Incorporation

AFCONA-S520 should be added prior to the dispersion process.

## Storage

AFCONA-S520 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The expiry date is indicated on the container.

## Packaging

25kg and 180 kg non-returnable containers

AFCONA Polymers Co., Ltd.

Web Site : [www.afcona.com](http://www.afcona.com)

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This version replaces all previous ones.