### Chemical Composition
Alkylol ammonium salt of a high molecular weight carboxylic acid

### Product general description
Anionic wetting and dispersing additive to prevent settling and flooding of pigments

### Product Properties
AFCONA-5071 helps reduce interfacial tension between hydrophilic pigments/extenders and the binders. It stabilizes the pigments through electrical charge repulsion forces.

AFCONA – 5071 has the following special properties:
1) The main reason for using AFCONA-5071 in the formulation is anti-settling and anti-sagging properties.
2) This product is mainly used for inorganic pigments and extenders in water-based coatings. AFCONA-5071 is also suitable for solvent-based coatings, where it may be selected due to its good anti-settling performance.
3) AFCONA-5071 also offers wetting and dispersing properties and will not reduce the gloss of the system.
4) AFCONA-5071 is suitable for use in low- to high-polarity solvent systems, as well as in water-based coatings. It can be used to reduce flooding and settling in non-polar systems, e.g. air drying alkyd paints.
5) Combination of AFCONA-5071 and AFCONA-4560 at a ratio of 1:3 is very effective to disperse inorganic pigments and fillers. This dispersion leaves a very dilute viscosity, such as F#4 cup at 8 – 12 second, which remains for many hours without stirring. Soft settling will form but many systems will not experience separation (depending on the particles size of the filler; greater than 15μm may have separation) or hard settling.

Note: AFCONA – 5071 will become slightly hazy at temperatures below 5°C. This will not influence the performance of the product.

### Product specification
**Active ingredients** 50 - 54%

**Solvent** Water

**Density at 20 °C** 1.08 - 1.10 g/cm³

**Acid value** 90 – 110 mg KOH/g

**Amine value** 95 – 130 mg KOH/g

**Flashpoint** >100°C

**Appearance** transparent yellowish to brownish liquid

### Addition and dosage
0.5 - 2% based on inorganic pigments
2.5 - 5% based on organic pigments

### Incorporation
AFCONA-5071 should be added prior to the dispersion process.

### Storage
AFCONA-5071 should be stored in a cool, dry place and protected against frost. When kept in its original, unopened container, it will keep up to 3 years from the date of manufacture. The expiration date is indicated on the container.

### Packaging
55 lb and 397 lb non-returnable containers