**Chemical Composition**
Anionic co-polymer with acidic groups

**Product general description**
Wetting and dispersing additive for solvent-based paints

**Product Properties**
AFCONA-5285 is an acidic termination of alkyl ethoxylated co-polymer. The acidic group gives very good anchoring effect in base pigments and matting agents. It will help in viscosity reduction of filler and extender dispersions.

AFCONA – 5285 has the following special properties:
1) It is a very good dispersant for matting agent pastes.
2) AFCONA-5285 offers very good viscosity reduction. Therefore, it is suitable as a dispersant for highly loaded filler systems.
3) It is also suitable for oil- and solvent-based printing inks, especially for inorganic pigment and filler dispersions in alcohol-rich systems.
4) AFCONA-5285 also helps to reduce the interfacial tension between pigments or extenders and the vehicle. Therefore, it will help shorten grinding time.
5) It can be used in all resin systems, ranging from nonpolar to high polarity systems like air dry alkyd, acid curing, polyurethane and epoxy.
6) This product is suitable for all kinds of pigments, including inorganic, organic and carbon black. It is also suitable for co-grinding.

Note: AFCONA – 5285 will become hazy or even crystallize at temperatures below 15°C. Re-heat the material before use if crystallization happens. This will not influence the performance of the product.

**Product specification**

<table>
<thead>
<tr>
<th>Active ingredients</th>
<th>≥ 95%</th>
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<tbody>
<tr>
<td>Density at 20 °C</td>
<td>1.05 – 1.09 g/cm³</td>
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<tr>
<td>Acid value</td>
<td>100 – 105 mg KOH/g</td>
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<tr>
<td>Color</td>
<td>max. 8</td>
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<tr>
<td>Appearance</td>
<td>transparent yellowish to brown liquid</td>
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</tbody>
</table>

**Addition and dosage**
0.5 - 1.5% based on TiO₂ or extenders
3.0 - 5.0% based on other inorganic pigments
10 – 30% based on organic pigment.

**Incorporation**
AFCONA - 5285 should be added prior to the pigment dispersion process.

**Storage**
AFCONA - 5285 should be stored in a cool, dry place, preferably at temperatures ≥ 20°C. Haziness and solidification can take place if the temperature drops below 15°C. When kept in its original, unopened container, it will keep up to 5 years from the date of manufacture. The expiration date is indicated on the container.

**Packaging**
55 lbs and 397 lbs non-returnable containers