**AFCONA – 5066**

**Chemical Composition**
High-molecular weight unsaturated carboxylic acid

**Product general description**
Wetting and dispersing additive to prevent flooding and sedimentation of pigments

**Product Properties**
AFCONA-5066 is a silicone-free version of AFCONA-5065, and it may be used in the same applications. It can also be post-added to solve flooding and floating problems. In combination with a suitable high molecular weight dispersant, AFCONA-5066 can be used as a co-grinding agent.

AFCONA – 5066 has the following special properties:

1) The performance and usage of AFCONA-5066 is almost identical to that of AFCONA – 5065. However AFCONA – 5066 does not contain any polysiloxane. Therefore, it may be preferable in many foam sensitive systems such coil coatings, floor coatings and those coatings applied by curtain coater.

2) If some polysiloxane is needed in the grinding phase to improve wetting and increase grinding speed, AFCONA polysiloxanes such as AFCONA – 3236, AFCONA – 3238 and AFCONA – 3239 are recommended.

3) AFCONA-5066 is especially suitable for medium to high-polarity binder systems like:
   - alkyd/amino resin combinations
   - nitrocellulose systems
   - polyurethane systems
   - acrylic polyisocyanate systems (2-pack acrylics)
   - chlorinated polymers

4) AFCONA-5066 is not compatible with white spirit or paints which are diluted with white spirit.

Note: AFCONA – 5066 will become slightly hazy at temperatures below 5° C. This will not influence the performance of the product.

**Product specification**

<table>
<thead>
<tr>
<th>Active ingredients</th>
<th>50 - 54%</th>
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<tbody>
<tr>
<td>Solvents</td>
<td>Alkylbenzene / Diisobutylketone</td>
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<tr>
<td>Density at 20 °C</td>
<td>0.94 - 0.96 g/cm³</td>
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<tr>
<td>Acid value</td>
<td>120 – 180 mg KOH/g</td>
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<td>Flashpoint</td>
<td>40°C</td>
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<tr>
<td>Appearance</td>
<td>transparent yellowish to brownish liquid</td>
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**Addition and dosage**
0.5 - 2.5% based on inorganic pigments or 0.1 - 1.0% based on total formulation, normally around 0.5% on total formulation

**Incorporation**
AFCONA-5066 should be added prior to the dispersion process.

**Storage**
AFCONA-5066 should be stored in a cool, dry place. 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 lb and 397 lb non-returnable containers