AFCONA – 5008

**Chemical Composition**
Unsaturated polyamide and acid ester salts

**Product general description**
Anionic/cationic wetting and dispersing additive to improve the wetting of pigment surfaces and organically treated Bentonites

**Product Properties**
AFCONA-5008 reduces the interfacial tension between pigments or extenders and the vehicle. It stabilizes the pigments through electrical charge repulsion forces.

AFCONA – 5008 has the following special properties:
1) AFCONA – 5008 is very compatible; it can be used in all resin systems, ranging from nonpolar to highly polar systems.
2) This product is often used in primer and some decorative paint. It also widely used in marine and heavy duty paints as these systems do not require very high gloss finishes, and the chemical and physical properties are more important than the appearance.
3) Using AFCONA – 5008 will decrease pigment sedimentation, because it will encourage hydrogen bond formation in the system. However, AFCONA – 5066 and AFCONA – 5071 may offer better anti-settling properties.
4) AFCONA-5008 offers the following advantages when dispersing organically treated Bentonites:
   - shorter dispersion time
   - easier handling of the Bentonite gel
   - improved storage stability

Note: AFCONA – 5008 will become slightly hazy at temperatures below 5° C. This will not influence the performance of the product.

**Product specification**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Active ingredients</td>
<td>48 - 52%</td>
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<tr>
<td>Solvents</td>
<td>Alkyl Benzene</td>
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<tr>
<td>Density at 20 °C</td>
<td>0.89 - 0.91 g/cm³</td>
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<tr>
<td>Amine value</td>
<td>17 -27 mg KOH/g</td>
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<tr>
<td>Appearance</td>
<td>transparent yellowish to brownish liquid</td>
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</table>

**Addition and dosage**

0.2 - 2.0% based on inorganic pigments
2.0 - 5.0% based on organic pigments
For Bentonite gels use 30 - 50% based on the Bentonites

**Incorporation**
When used in mill-bases, add before grinding. In Bentonite dispersions use as follows:

85-87 parts of solvent
10 parts of Bentonite
5 - 3 parts of AFCONA-5008

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100 parts

**Storage**
AFCONA-5008 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