AFCONA – 5244

**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 – 5244 is the nearly 100% active solid version of AFCONA – 5044. It is especially designed for high-solid systems where the presence of solvents must be limited. When used at the same level of active solids, the properties of AFCONA-5244 and AFCONA-5044 are almost identical.

AFCONA-5244 helps pigment dispersion by reducing the interfacial tension between pigments or extenders and the vehicle. It stabilizes the pigments through electrical charge repulsion forces.

Due to its nearly 100% active solids, AFCONA-5244 is very suitable for solvent-free or high solid systems like:
1) epoxies and polyurethane primers
2) UPE applications like gel coat, buttons, SMC, BMC etc
3) PVC systems

Because AFCONA-5244 has the same properties as AFCONA-5044, it may be used to replace AFCONA-5044 on the same solids level.

Note: AFCONA – 5244 will become slightly hazy at temperatures below 5°C. However, this will not influence the performance of the product.

**Product specification**

<table>
<thead>
<tr>
<th>Active ingredients</th>
<th>≥ 96%</th>
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<tbody>
<tr>
<td>Density at 20 °C</td>
<td>0.98 - 1.02 g/cm³</td>
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<tr>
<td>Amine value</td>
<td>10 -30 mg KOH/g</td>
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<tr>
<td>Acid value</td>
<td>50 – 70 mg KOH/g</td>
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<tr>
<td>Appearance</td>
<td>slight hazy and yellowish to brownish liquid</td>
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**Addition and dosage**
0.1 - 1.0% based on inorganic pigments
1.0 - 2.5% based on organic pigments
For Bentonite gels use 15 - 25% based on the Bentonites

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

87.5-88.5 parts of solvent
10 parts of Bentonite
2.5 - 1.5 parts of AFCONA-5244
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100 parts

**Storage**
AFCONA-5244 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 419 lb non-returnable containers