**AFCONA – 4071**

**Chemical Composition**
Modified polyurethane polymer

**Product general description**
High molecular weight polymeric dispersant for deflocculation of all types of pigments

**Product Properties**
AFCONA-4071 is the result of an innovative concept of polyurethane dispersants. This technology is based on a newly-developed intermediate monomer and anchoring groups.

AFCONA – 4071 has excellent performance dispersing carbon black. It gives very good blue undertones with high jetness.

AFCONA – 4071 will not experience crystallization at low temperatures. Even at -15° C only slight haziness will be observed.

This product offers good overall pigment stability, tinting strength and color brightness.

Note: AFCONA – 4071 will become slightly hazy at temperatures below 5° C. This will not influence the dispersing properties of this product.

**Product specification**

<table>
<thead>
<tr>
<th>Active ingredients</th>
<th>44 - 46%</th>
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<tbody>
<tr>
<td>Solvent</td>
<td>Butylacetate/Methoxy Propyl Acetate / Sec-butanol / Xylene</td>
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<tr>
<td>Density at 20 °C</td>
<td>0.94 – 0.96g/cm³</td>
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<tr>
<td>Amine value</td>
<td>5 - 10 mg KOH/g</td>
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<tr>
<td>Flashpoint</td>
<td>24°C</td>
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<tr>
<td>Color</td>
<td>max.6</td>
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**Addition and dosage**
Add AFCONA-4071 according to the dosages listed below, which should be calculated based on the percent of active ingredient in the dispersant and the weight of pigment in the formula:

- TiO₂ : 2 - 3%
- Other inorganic pigments : 2 - 4%
- Organic pigments : 20 - 40%
- Carbon blacks : 20 - 60%

**Incorporation**
AFCONA-4071 should be incorporated in the mill base before adding the pigments.

**Storage**
AFCONA-4071 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