AFCONA - 2503

**Chemical Composition**
Organically modified polysiloxane

**Product general description**
AFCONA-2503 is a waterbased defoamer and anti-foam agent with leveling properties that is especially useful in high shear applications such as pigment concentrates.

**Product Properties**
AFCONA- 2503 is an organically modified polysiloxane which is designed to give good defoaming, anti-foam and leveling performance in all waterbased applications.

This product is effective as a defoamer in many waterbased coatings ranging from PU dispersion to normal acrylic-based decorative paint.

AFCONA – 2503 also performs well in high shear applications. Under a high-shear environment (such as long periods of grinding), it still maintains good defoaming and anti-foam performance. Thus, this product is very suitable to use as a defoamer in pigment concentrate preparation and high speed flexo printing process.

Most defoamers available in the market will hurt the leveling properties of a coating, and leveling agents added to combat the problem will give more foam formation to the coating. But AFCONA-2503 acts as a defoamer which also provides leveling properties. AFCONA-2503 also will not give crater formation to the coating.

**Product specification**

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Active ingredients</td>
<td>&gt; 96%</td>
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<tr>
<td>Density at 20 °C</td>
<td>0.97 - 1.01 g/cm³</td>
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<tr>
<td>Refractive index</td>
<td>1.435 - 1.445</td>
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<tr>
<td>Flashpoint</td>
<td>&gt; 100°C</td>
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<tr>
<td>Appearance</td>
<td>Transparent to slightly yellowish liquid</td>
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**Addition and dosage**
AFCONA-2503 should be added at 0.05 – 1.00% based on total formulation. Under normal conditions, 0.05 – 0.25% based on total formulation is sufficient. In pigment concentrate preparation, the normal dosage will range from 0.5 to 1.0% based on total formulation.

**Incorporation**
AFCONA- 2503 may be added at any stage of the production process.

**Storage**
AFCONA-2503 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