**AFCONA - 3034**

**Chemical Composition**
Fluorocarbon-containing organically modified polysiloxane

**Product general description**
Additive designed to reduce surface tension, improve substrate wetting, and provide anti-crater performance and leveling (including vertical leveling).

**Product Properties**
With its fluorocarbon modification, AFCONA-3034 has very low surface tension. The present of fluorocarbon further improves the performance of a normal polysiloxane in anti-crater, substrate wetting and leveling properties.

To solve the vertical leveling problem, AFCONA – 3034 is often used in combination with other fluorocarbon-modified acrylic leveling additives. These combinations may also solve critical crater problems.

AFCONA-3034 is extremely compatible with most paint systems and can be used in both water- and solvent-based industrial coatings. The advantage of improved substrate wetting (caused by reduced interfacial tension) is often accompanied by foam stabilization. Therefore, it is appropriate to use this product in conjunction with suitable defoamers.

AFCONA – 3034 is recommended for:

1) Plastic coatings like PU, UV and thermoplastic acrylic system. It offers good leveling as well as improved substrate wetting. It eliminates several common problems seen in plastic coatings, such as cratering and leveling issues.
2) Industrial heat-cured systems where anti-crater and vertical leveling are needed.
3) Other solvent-based coatings where anti-crater, substrate wetting and vertical leveling are needed.

AFCONA-3034 also can be use in water-based systems for leveling, anti-crater and slip performance.

**Product specification**

<table>
<thead>
<tr>
<th>Active ingredients</th>
<th>50 – 54%</th>
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<tbody>
<tr>
<td>Solvents</td>
<td>methoxypropanol</td>
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<tr>
<td>Density at 20 °C</td>
<td>0.97 - 0.99 g/cm³</td>
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<tr>
<td>Refractive index</td>
<td>1.420 - 1.430</td>
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<tr>
<td>Flashpoint</td>
<td>32° C</td>
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<tr>
<td>Appearance</td>
<td>transparent to slightly yellowish</td>
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**Addition and dosage**
AFCONA-3034 may be added at 0.05 – 0.5% based on total formulation. Under normal conditions, 0.05 – 0.2% based on total formulation is sufficient.

**Incorporation**
AFCONA-3034 may be added at any stage of production process.

**Storage**
AFCONA-3034 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

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**AFCONA ADDITIVES**
This datasheet is intended to give technical guidance without any obligation
This TDS was modified and created for NA Region