# AFCONA - 2050

## Chemical Composition
Silicone-free defoaming polymer

## Product general description
This is a strong defoamer for most solvent-based coatings.

## Product Properties
AFCONA – 2050 offers very strong defoaming and anti-foam performance with good compatibility in many resin systems.

AFCONA-2050 is suitable for solvent-based coatings, printing inks and thermosetting resin systems. It eliminates foam and blistering, regardless of whether the air bubbles are caused by the substrate.

In most cases, the de-aeration performance of AFCONA-2050 is satisfactory. If greater de-aeration is required, use this product in combination with silicone-containing defoamers such as AFCONA-2023 or AFCONA-2045 at 0.1-0.2%.

AFCONA-2050 is particularly suitable for use in the following applications:

1) Nitrocellulose lacquers and acid-cured wood finishes, especially those applied by curtain coaters
2) Two-component polyurethane lacquers that are applied by spraying or brushing (except for high gloss clear due to the defoamer’s high incompatibility)
3) Cold-cured epoxy resin systems, as well as unsaturated polyester systems (SMC, BMC and gel coats)
4) Heat-cured finishes applied by curtain coater and dipping
5) Other solvent based system where in-can transparency is not important, such as colored and matte systems

Not suitable for air-dry alkyd systems.

## Product specification

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Solvent</td>
<td>SBP spirit / PMA</td>
</tr>
<tr>
<td>Density at 20 °C</td>
<td>0.83 - 0.86 g/cm³</td>
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<tr>
<td>Refractive index</td>
<td>1.430 – 1.440</td>
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<tr>
<td>Flashpoint</td>
<td>30 °C</td>
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<tr>
<td>Appearance</td>
<td>slightly yellowish to transparent liquid</td>
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</table>

## Addition and dosage
0.1- 1.0% on total formulation. Under normal conditions, 0.20 – 0.50% based on total formulation is sufficient.

## Incorporation
As a strong defoaming agent, AFCONA- 2050 should be incorporated during pre-mix. If added subsequently, good dispersion must be ensured.

## Storage
AFCONA – 2050 should be stored in a cool, dry place. When stored 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 375 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