**Chemical Composition**
Silicone-free modified polyvinyl polymer

**Product general description**
This is a very strong defoamer appropriate for most solvent-based coatings. It is not suitable for transparent, high-gloss clear topcoats.

**Product Properties**
AFCONA – 2020 is a very strong defoamer for most solvent-based systems, even at low dosages. Strong defoamers work because of their strong incompatibility with the coating system; therefore, even low dosages of AFCONA – 2020 may cause in-can haziness in high-gloss clear coatings. However, its influence on gloss in the dry film is minimal.

AFCONA-2020 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.

AFCONA-2020 has very high defoaming performance as well as anti-foam properties. In most cases, its de-aeration performance is satisfactory. To further improve de-aeration, use in combination with silicone defoamers like AFCONA-2023 or AFCONA-2045 (0.1-0.2% is recommended).

AFCONA-2020 is especially 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 (not including high-gloss finishes)
3) Cold cured epoxy resin systems, as well as unsaturated polyester systems (SMC, BMC, and gel coats)
4) Heat cured systems applied by curtain coater or dipping
5) Any solvent-based system where in-can transparency is not important, such as colored or low-gloss systems.

**Product specification**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Solvent</td>
<td>SBP spirit 140/165</td>
</tr>
<tr>
<td>Density at 20 °C</td>
<td>0.78 - 0.82 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>30 °C</td>
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<tr>
<td>Appearance</td>
<td>slightly yellowish to transparent liquid</td>
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</tbody>
</table>

**Addition and dosage**
0.1- 0.7% on total formulation. Under normal conditions, 0.15 – 0.30% based on total formulation is a sufficient dosage.

**Incorporation**
As a strong defoaming agent, AFCONA- 2020 is should be incorporated during pre-mix. If added subsequently, adequate dispersion must be ensured.

**Storage**
AFCONA – 2020 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**
44 lb and 331 lb non-returnable containers