Description: Arrowstar® Low VOC 8041 is a quality, workhorse process series formulated from renewable vegetable oils resulting in very low VOC content. This series is a duct fresh, multi-purpose ink series ideally suited for folding carton and label applications. The benefits of Arrowstar® Low VOC 8041 are excellent gloss, good setting and excellent perfecting properties. Optimally suited for perfecting applications, as well as straight-line printing.

Process: Sheetfed Offset

Application: Process printing for folding carton and label applications, as well as general commercial printing, via sheetfed offset presses

Substrate: Gloss coated and uncoated paper and paperboard

Key Features:
- Less than 3% VOC per colour
- Improved low misting properties
- Minimal dot gain
- Excellent through drying and rub resistance
- Excellent press stability
- Formulated with high levels of bio-renewable resources – NAPIM BRC = 70
- High gloss
- Suitable for off-line UV coating, lamination and foil stamp (testing recommended)

Limitations:
- Slightly slower setting speed than traditional vegetable based series

Colour Range:
- SF-K8041 Arrowstar® Low VOC 8041 Black
- SF-C8041 Arrowstar® Low VOC 8041 Cyan
- SF-M8041 Arrowstar® Low VOC 8041 Magenta
- SF-Y8041 Arrowstar® Low VOC 8041 Yellow

ISO Compliance: Complies with ISO 2846-1

Fastness Properties:

<table>
<thead>
<tr>
<th></th>
<th>Light</th>
<th>Alcohol</th>
<th>Solvent</th>
<th>Alkali</th>
<th>Hot Calendering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black – blue toned</td>
<td>8</td>
<td>-</td>
<td>-</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Cyan</td>
<td>8</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Magenta</td>
<td>5</td>
<td>+</td>
<td>+</td>
<td>-</td>
<td>+</td>
</tr>
<tr>
<td>Yellow</td>
<td>5</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>

Lightfastness properties according to ISO12040: from 1 (low) to 8 (high)
Fastness properties according to ISO2836: + = resistance provided, - = resistance not provided

Printing Properties:
- Dot Gain: 6
- Gloss: 6
- Setting: 4
- Oxidative Drying: 5
- Rub Resistance: 6
- Rapid Further Processing: 5
- Suitability for Glossy Coated Papers/Board: 7
- Suitability for Uncoated Papers/Board: 5
- Suitability for Matte Coated Papers/Board: 5

Rating Scale - 1 (poor) to 7 (excellent)