Technical Data Sheet

LAWTER™
Better, sustainable chemistry

TRIONOL™ 3 A

TRIONOL™ 3 A is a **Lawter™** linseed based alkyd polyester. When printed on coated paper, a **TRIONOL™ 3 A** based ink partially penetrates and oxidizes, providing a tough anchor. The remainder of the **TRIONOL™ 3 A** remains on the surface as a film-forming coating that rapidly hardens to a tough, rub-resistant print. **TRIONOL™ 3 A**, with exceptionally good pigment wetting properties, can improve gloss, setting speed and rub resistance, in contrast with many pigment-wetting vehicles that detract from gloss and setting speed. The viscosity of **TRIONOL™ 3 A** is stable in finished inks. **TRIONOL™ 3 A** can replace drying oils in quickset and heatset vehicles to improve compatibility, solvent tolerance, pigment wetting, and rub resistance without sacrificing setting speed.

Applications
Sheetfed offset, coldset offset, heatset offset, letterpress, metal deco, and silkscreen.

- **Excellent wetting**
- **Improves transfer**
- **Faster cure than conventional alkyds**
- **Improvement for high rub resistance**
- **Replaces drying oils in quickset and heatset vehicles**

Typical properties

Property	Value	Unit	Test Method
Acid Value	8	mg KOH/g	BAX-QC-102
Viscosity	140	seconds	E:E, 25°C, BAX-QC-106
Color	4	-	Gardner Color, BAX-QC-103
Percent Non-Volatile	100	%	BAX-QC-195
Bio-Renewable Content, (+/-2%)	73	wt%	Theoretical value based on formulation

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Packaging
TRIONOL™ 3 A is shipped in 400 lb drums.

Shelf life and storage conditions
When stored properly, shelf life from date of production is approximately 12 months. The product should be stored at temperatures between 10 and 30°C (50-86°F). The packaging should be kept tightly closed and stored in dry conditions.

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