



Technical Data Sheet

# Trionol™ 3A

## Alkyd for Enhancing Ink Film Integrity

### IMPORTANT CHARACTERISTICS:

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 use of driers, resinates or reactive metals on pigment surfaces will gel **Trionol 3 A**. The increase in viscosity caused by the use of metallic driers can be modified by the addition of one-fourth the drier weight of an anti-skinning agent. 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
- Silk screen

### BENEFITS:

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

### Typical Properties

Property	Value	Test Method / Standard
Viscosity:	140 sec.	GH Bubble Tube @ 77°F, E-E Method BAX-QC-106
% Non-Volatile:	100	Method BAX-QC-195
Acid Value:	8	Method BAX-QC-102
Color:	4	Gardner Color Method BAX-QC-103
Weight/Gallon:	8.4 lbs	Method BAX-QC-130

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For more information, please contact your sales or technical representative.

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