Technical Data Sheet #309 12/02/2010	
Wet Ink Tack	Low
After Flash Tack	Low
Printability	Excellent, for fast production
Surface Appearance	Matte-Soaks into fabric
Opacity/Viscosity	Low/Low
Bleed Resistance	N/A
Gel Point	160°F (71°C.)
Fusion Temperature	320°F (160° C.)
Squeegee Hardness	70-80 durometer
Squeegee Blade	Sharp
Squeegee Angle	45° to screen mesh
Squeegee Speed	Medium to High
Flood Stroke	Load ink into mesh opening
Print Stroke	Medium speed, light pressure
Emulsion	Direct, Indirect, Capillary film
Mesh Count	305 mc in (120 mc cm)
Extender	Not recommended
Thinner	Not recommended
Thickener	Not recommended
Storage	65°F to 95°F (18°C to 35°)Avoid direct sun.
Cleanup	Non-phthalate screen wash
MSDS	#ES0250
Color Range	Clear, (others with EB Color Concentrates added)
Substrate Type	100% Cotton
Substrate Color(s)	Light and Dark fabrics

Claira™ NPT Non-Phthalate Specialty Inks

ES0250 NPT Chino Base & Reducer

Description

ES0250 NPT Chino Base allows you to produce extremely soft Sepia Tone or Tone-on-Tone prints. NPT Chino Base can be colored to your specifications by mixing up to 30% EB Color Concentrates with 70% NPT Chino Base. Print NPT Chino Base as a stand alone on dark garments to produce that "Tone-on-Tone" look with a very soft hand. A variety of subdued looks can be printed with this new product.

Application

Prints through very fine screen mesh of 305 mc in (120 mc cm). NPT Chino Base will have excellent wash and wear qualities when cured at 320°F (160°C.) .

Create many colors by adding up to 30% EB Color Concentrates. Use the M2007 Software for thousands of formulas.

- Easy to mix and print
- Prints through very high mesh counts for minimum ink usage
- Excellent printability with no viscosity modifications
- Extremely soft and supple to the touch with less hand than most water base inks
- Create that "worn and washed" look that your customers are asking
- **ES0250 NPT Chino Base can be used as a curable reducer for non-phthalate plastisol applications.**

Special Recommendations

Claira Colors™, bases, modifiers and additives should be mixed in clean vessels using clean mixer blades and utensils. Any contamination from other ink sources or non approved additives could make Claira Colors™ test positive for the restricted phthalates.

- **Do not dry clean, bleach, or iron the printed image.**

Rutland Plastic Technologies does not knowingly add plasticizers containing the phthalates listed and outlined in California Bill 1108, CPSC HR-4040 and Oeko-tex Standard 100. The plasticizers identified may include di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DnOP), (DIBP) Di-iso-butyl, and (DMP) Dimethylphthalate, including esters of ortho-phthalic acid and are not direct ingredients in the manufacture of Claira™ High Opacity Non-Phthalate Mixing System Inks and Claira™ Non-Phthalate Concentrate Mixing System Inks nor any of the Claira Specialty inks. Rutland Plastic Technologies does not test the final product for amounts of the aforementioned phthalate plasticizers and esters and encourages all users to conduct testing for their intended use.

ANY APPLICATION NOT REFERENCED IN THIS TECHNICAL DATA SHOULD BE PRE-TESTED OR CONSULTATION SOUGHT WITH RUTLAND'S APPLICATIONS LABORATORY PRIOR TO PRINTING. CALL 704-553-0046 EXT. 151 FOR MORE INFORMATION.