

## Technical Data Sheet #333

11/06/2009

<b>Wet Ink Tack</b>	Low
<b>After Flash Tack</b>	Low
<b>Printability</b>	Great
<b>Surface Appearance</b>	Satin
<b>Opacity/Viscosity</b>	High/High
<b>Bleed Resistance</b>	N/A
<b>Gel Point/Flash Time</b>	160°F (71°C.)
<b>Fusion Temperature</b>	320°F (160°C.)
<b>Squeegee Hardness</b>	Medium/Hard
<b>Squeegee Blade</b>	Sharp
<b>Squeegee Angle</b>	45°
<b>Squeegee Speed</b>	Medium to High
<b>Underlay</b>	EH9072 NPT SF2 Cotton White or EL9073 NPT LB White on Poly/Cotton Blends
<b>Emulsion</b>	Capillary Film or Direct emulsion
<b>Mesh Count</b>	86—280 mc.in. (34—110 mc. CM.)
<b>Extender</b>	N/A
<b>Thickener</b>	M00010 or M00004
<b>Storage</b>	<b>65°F to 95°F (18° C to 33° C) Avoid direct sun</b>
<b>Cleanup</b>	Bio-degradable screen wash
<b>MSDS</b>	# 38
<b>Color Range</b>	See products
<b>Substrate Type</b>	Cotton
<b>Substrate Color(s)</b>	Light, Medium, & dark fabrics over an NPT underlay.

## Claira™ NPT Non-Phthalate High Opacity Ink

### EH NPT HO RFU Series

#### Description

EH NPT HO RFU is formulated as a press-ready plastisol for printing on 100% Cotton or over a low bleed underlay when printing on poly/cotton.

#### Features:

- Short body and very low wet tack for easy printing with no build-up.
- Ready for use, just stir and print.
- Great for hand presses or automatic printing machines.
- Easy to use, maintains print viscosity without thinning during print run.
- Non-Phthalate formulation to comply with new regulations restricting phthalates.
- Formulated to be opaque for direct printing on lights or darks.
- Competitive with lower opacity products currently sold in the print market.

#### Application

Print EH NPT RFU inks directly onto 100% Cotton or over an NPT underlay on darks poly cotton garments. EH NPT RFU is normally printed through mesh ranges from 86—280 mc.in. (34—110 mc. CM.) Recommend 70-80 Durometer squeegee with sharp edge for maximum definition. Proper cure is achieved when garment reaches 320°F (160°C.).

#### Products

EH0730	NPT HO GREY	EH3408	NPT HO KELLY
EH1211	NPT HO ULTRA VIOLET	EH4202	NPT HO GOLD
EH2251	NPT HO ROYAL	EH4215	NPT HO YELLOW
EH2402	NPT HO LT NAVY	EH4611	NPT HO BRT YELLOW
EH2406	NPT HO DK NAVY	EH4769	NPT HO BRT GOLD
EH2449	NPT HO LT ROYAL	EH5201	NPT HO ORANGE
EH2499	NPT HO TURQUOISE	EH6279	NPT HO RED
EH2583	NPT HO PEACOCK	EH6397	NPT HO DK MAROON
EH2589	NPT HO LT BLUE	EH6400	NPT HO SCARLET
EH2768	NPT HO BRT BLUE	EH7574	NPT HO DK BROWN
EH3398	NPT HO DK GREEN	EH8033	NPT SOLID BLACK
EH3403	NPT HO DALLAS GREEN	EH9075	NPT HO COTTON WHITE

#### Special Recommendations

- **Do not dry clean, bleach, or iron the printed image.**
- **Note: This is not a low bleed ink. Do not print on polyester fabrics.**

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.

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. 192 FOR MORE INFORMATION.



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. 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.