Technical Data Sheet #307 3/17/2009	
Wet Ink Tack	Low
After Flash Tack	Low
Printability	Great
Surface Appearance	Satin
Opacity/Viscosity	High/High
Bleed Resistance	N/A
Gel Point/Flash Time	160°F (71°C.) / decreases with deposit thickness
Fusion Temperature	320°F (160°C.)
Squeegee Hardness	Medium/Hard
Squeegee Blade	Sharp
Squeegee Angle	45°
Squeegee Speed	Medium to High
Underlay	NPT Whites
Emulsion	Capillary Film or Direct emulsion
Mesh Count	86-280 mc in. (34-10 mc. CM.)
Extender	N/A
Thickener	M00010
Storage	**65°F to 95°F (18° C to 33° C) Avoid direct sun**
Cleanup	Non-phthalate screen wash
MSDS	#EH0542
Color Range	Natural base
Substrate Type	cotton
Substrate Color(s)	Light, Medium, & dark fabrics with an underlay

Claira™ NPT Non-Phthalate High Opacity Base

EH0542 NPT HO Base

Description

EH0542 NPT HO Base is formulated as a press-ready non-phthalate plastisol base for mixing colors using C3 Color Boosters and printing on 100% Cotton or over a NPT low bleed underlay when printing on poly/cotton blends.

Features of EH0542 NPT HO Base

- Short body and very low wet tack for easy printing with *no build-up*.
- Fast shearing action means higher press speeds.
- Easy to use, helps maintain printable viscosity when mixed with C3 Color Boosters.
- Can be mixed at up to 50% C3 Color Boosters to match thousands of colors.
- Mixed colors will print with a satin finish.

Application

Mix EH0542 NPT HO Base with C3 Color Boosters and print directly onto substrates. EH0542 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 320ºF (160° C.).

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. 192 FOR MORE INFORMATION.