

## Technical Data Sheet #317

07/17/2009

<b>Wet Ink Tack</b>	Low, Tack free
<b>After Flash Tack</b>	Decreases with increase mesh
<b>Printability</b>	Excellent, for fast production
<b>Surface Appearance</b>	Thick film is Satin finish
<b>Opacity/Viscosity</b>	Medium/Medium
<b>Bleed Resistance</b>	None
<b>Gel Point/Flash Time</b>	160°F (71°C.)
<b>Fusion Temperature</b>	320°F (160°C.)
<b>Squeegee Hardness</b>	70-80 durometer
<b>Squeegee Blade</b>	Sharp
<b>Squeegee Angle</b>	45° to screen mesh
<b>Squeegee Speed</b>	Maximum
<b>Underlay</b>	N/A
<b>Emulsion</b>	Direct, Indirect, Capillary film
<b>Mesh Count</b>	86—110 mc in (34—43 mc cm) and finer
<b>Extender</b>	EN0053 NPT Clear Base
<b>Storage</b>	65°F to 95°F (18°C to 35°C). Avoid direct sun.
<b>Cleanup</b>	Bio-degradable screen wash
<b>MSDS</b>	# 38
<b>Color Range</b>	EN9474 NM White
<b>Substrate Type</b>	Nylon Mesh Jerseys (not for Polyester)
<b>Substrate Color(s)</b>	Light, Medium, and Dark

## Claira™ NPT Non-Phthalate Nylon Mesh Inks

### EN9474 NPT NM White

#### Description

**EN9474 NPT NM White** has been formulated to provide good opacity and creamy viscosity. Additional adhesion and stretch has been incorporated into this formula for printing on 100% nylon mesh fabrics. EN9474 provides good opacity and a smooth gloss finish.

Note: EN9474 is NOT low bleed and would not be recommended for 100% polyester fabrics, however; EL9746 NPT Super Poly White is formulated for 100% polyester fabrics.

#### Features

- Used as a stand alone white.
- Tack free formulation for fast shearing action.
- Durable product that provides desired scuff resistance for athletic nylon jerseys.
- Standard athletic white for underlay and highlight applications.
- Non-Phthalate formulation to comply with new regulations restricting phthalates.

#### Application

The creamy viscosity allows the use of fine mesh counts for crisp edge definition, improved detail and wash results. Print through 86—110 mc in (34—43 mc cm) for maximum coverage and durability. Will also print through much finer mesh when using minimum ink lay down.

#### 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.**
- **EN9474 is not a low bleed ink, don't print on 100% polyester.**

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.

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.