



## Claira™ NPT Non-Phthalate Inks

### Technical Data Sheet #318

07/17/2009

<b>Wet Ink Tack</b>	Low
<b>After Flash Tack</b>	Low
<b>Printability</b>	Great
<b>Surface Appearance</b>	Matte
<b>Opacity/Viscosity</b>	High/Medium
<b>Gel Point/Flash Time</b>	160°F (71°C.)
<b>Fusion Temperature</b>	320°F (160°C.)
<b>Squeegee Hardness</b>	Medium
<b>Squeegee Blade</b>	Sharp
<b>Squeegee Angle</b>	45°
<b>Squeegee Speed</b>	Fast
<b>Emulsion</b>	All capillary films, direct or indirect liquid emulsions
<b>Mesh Count</b>	86–230mc in (34-90 mc cm)
<b>Extender</b>	N/A
<b>Thickener</b>	M00010 Thickener #10
<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>Substrate Type</b>	Cotton and Poly/Cotton Blends
<b>Substrate Color(s)</b>	Light, Medium, & Dark fabrics

### EH8033 NPT Solid Black

#### Description

**EH8033** is a non-phthalate printing black that is designed to provide more fiber matte down to reduce the amount of fibrillation normally associated with print blacks.

#### Features

- Helps control fibrillation on cotton garments.
- Intense color to give a Jet Black appearance.
- Provides excellent printability with no viscosity modifications.
- Prints with a matte finish
- Competitively priced.
- Non-Phthalate formulation to comply with new regulations restricting phthalates.

#### Application

EH8033 can be printed from 86–230 mc in (34-90 mc cm) giving the ability to print solid prints as well as half tone designs.

Wash test print sample before making production runs to insure you get the desired results when using this product for its fibrillation control properties. Fibrillation can be virtually eliminated by adding 3% of the EA0001 NPT FiberBond to EH8033. If mixed with FiberBond, a shelf life of about 8 hrs is expected.

#### 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. 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.

