

## Technical Data Sheet #311

12/29/2014

Wet Ink Tack	Low
After Flash Tack	Low
Printability	Good
Surface Appearance	Dull
Opacity/Viscosity	High/High
Bleed Resistance	N/A
Gel Point/Flash Time	165°F (71° C.)/ decreases with deposit thickness
Fusion Temperature	320°F (160° C.)
Squeegee Hardness	Soft
Squeegee Blade	Sharp
Squeegee Angle	45°
Squeegee Speed	Medium to High
Underlay	N/A
Emulsion	Direct, Indirect, or Capillary Film
Mesh Count	60 mc in (24 mc cm)
Extender	N/A
Thinner	N/A
Storage	65°F to 95°F (18° C to 33° C) Avoid direct sun
Cleanup	Bio-degradable screen wash
MSDS	#38
Color Range	EP8000 NPT Black Puff EP9001 NPT LB White Puff
Substrate Type	100% Cotton
Substrate Color(s)	Light, Medium, & Dark fabrics

## Claira™ NPT Non-Phthalate Specialty Inks

### EP Series NPT Puff Inks

#### Description

**EP Series NPT Puff** Black and White was developed as a direct print puff to maintain whiter white and more jet black better than mixing them using concentrates and puff base.

**EP0004 Natural Puff Base** is designed to allow up to 50% C3 Color Boosters or M3 Color mixing inks to be added and still maintain a good puff of the mixed color. Use as little colorant as possible for the highest puff. Tip: ( Add thickener to the premixed puff color to allow more ink to sit on surface giving maximum loft)

#### Features

- Press ready plastisol for printing on dark 100% cotton.
- Creamy plastisol for easy printing.
- Low tack formulation for fast shearing action.
- User friendly, no modifications necessary.

#### Application

Print EP Series Puff on 100% Cotton. For best results print Puff through a 60 mc in (24 mc cm) mesh count. Finer mesh counts may be used when printing on top of other inks, such as High Density, to give a soft puff high light.

### Product available:

**EP8000 NPT Black Puff**

**EP9001 NPT LB White Puff**

**EP0004 Natural Puff Base**

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

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.

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.

