Rutland Plastic Technologies, Inc.

Rutland™

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How to convert to Claira™ Non-phthalate screen print inks

Getting started with Claira™ Non-Phthalate inks:

Rutland Plastic Technologies has formulated Claira Non-Phthalate color matching systems for use with the M2007 Ink Mixing Software. All formulations are calibrated to existing M2 and CB mixes but require Claira NPT components and special handling to preserve the Non-Phthalate status. M2007 Ink Mixing Software will update to the Claira ink formulas with the next update. Claira™ components are identified as Rutland inks that begin with these codes: EA, EB, EH, EL, EM, EN, and ES. Other modifiers and additives are also identified as Non-phthalate and may be used with Claira NPT inks. See Technical Data Sheet #304 or #305 for a list of these products.

Special Handling Requirements:

Claira EM and EB are complete Non-Phthalate mixing systems and should not come in contact with any other inks, additives, cleaners, tools or mixing vessels that have residue of any other ink system that has phthalates. Ink systems that have phthalates means any standard plastisol unless it is promoted as a Non-Phthalate product. Restricted substance lists require measurements of lead content to be less than 90 parts per million and some phthalates as low as 500 parts per million. Very small amounts of contaminates could result in exceeding these limits.

We suggest:

- Never mix claira Non-Phthalate inks with other inks
- Never mix brands of inks
- All mixing tools and vessels should be new or cleaned thoroughly with Non-phthalate cleaners
- Mixing area must be clean and free of other inks (separate area is desired)
- New mixing pails are preferred
- Pumps, hoses, pipes and valves used to transfer ink should be new and kept separate for use with claira Non-Phthalate inks
- All modification to the color formula must be made with claira Non-phthalate colorants
- All additives or modifiers must be claira Non-Phthalate. Don't use any additives or modifiers that are not listed as Non-phthalate
- Mixing records should be accurate and recorded for each print job to include the lot number of each ink or the lot number of all of the ingredients within a formulated color

Special Printing Suggestions:

- All screens and flood bars should be new or cleaned with Non-phthalate cleaners
- New squeegees are recommended as old/soft squeegees may have become saturated with Phthalate containing plasticizers
- Drying of Claira Non-Phthalate prints should only be run with other Non-phthalate prints to keep from contaminating the prints with VOCs of other type inks inside the dry chamber