



RUTLAND® SCREEN PRINT INKS

7/13/2017

This document covers Rutland® Screen Print Inks with product designations: C3, CA, CA2, CC, CS, EA, EB, EC, EH, EL, EM, EN, EP, ER, ES, EV, EW, M3, RS, RW, SE, SX, VP, WB and WS, and the additive M00010.

Rutland uses in-house testing equipment and recognized 3rd party analytical laboratories like Bureau Veritas to test select ink products for restricted components. Further, Rutland Plastic Technologies thoroughly screens components for use in the development of new ink products. This document is based on the information and representation given to us by the suppliers of the materials, 3rd party verification, and internal quality control.

California Assembly 1108, Oeko-Tex 100 and Consumer Products Safety Improvement Act HR 4040:

The above Rutland® Screen Print Inks are formulated to be Non-Phthalate in compliance with California Assembly 1108, Oeko-Tex 100 and Consumer Products Safety Improvement Act HR 4040. They have been tested for the following phthalates: di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), butyl benzyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DnOP), Di-iso-butyl phthalate (DIBP), Dimethylphthalat, (DMP), Di-n-hexyl phthalate (DnHP), and all other esters of ortho-phthalic acid. The above Rutland® Clairra Screen Print Plastisols and water base inks have been found to be in compliance with the above standards.

Consumer Products Safety Act, Title 16, Part 1303, CPSIA HR 4040, ASTM F-963, and EN 71-3:1995:

The above Rutland® Screen Print Inks are formulated to be in compliance with the Consumer Products Safety Act, Title 16, Part 1303 regarding lead products and CPSIA HR 4040 regarding lead content. These products have been tested and contain less than 0.009% lead as formulated. They are formulated to be in compliance with the heavy metal provision of ASTM F-963, and EN 71- 3:1995 regarding the safety requirements for toys and the specification for migration of certain elements. They are formulated with ingredients that do not contain Chlorofluorocarbons (CFC) or Alkylphenol ethoxylates (APEO), Nonylphenol (NPEO), Octylphenol Ethoxylates (OPEO'S), or any Polycyclic Aromatic Hydrocarbons (PAH), TBBPA, DecaBDE, or HBCDD.

Based on the information and representation given to us by the suppliers of the materials we use to manufacture the Rutland Screen Printing inks, Rutland can state that these products do not contain the following chemicals or compounds:

Arsenic, Cadmium, Chromium, Cyanide, Lead, Mercury, Nickel, Phenolic Compounds, Silver. The Rutland® Clairra Screen Print Plastisols and water base inks listed above are also formulated with ingredients that do not contain: Chlorofluorocarbons(CFC), Alkylphenol ethoxylates (APEO), Nonylphenol (NPEO), Octylphenol Ethoxylates (OPEO'S), Polycyclic Aromatic Hydrocarbons (PAK), TBBPA, DecaBDE, HBCDD, Organotins, Latex nor any Ozone depleting chemicals according to CONEG

California Proposition 65:

The above listed Rutland® Screen Print Inks do not contain any chemicals known to the state of California to cause cancer or reproductive toxicity (Proposition 65).



RUTLAND® SCREEN PRINT INKS

European Union's Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH):

Rutland took advantage of the pre-registration of the phase-in substance requirements from REACH. We pre-registered our Screen Print ink chemicals as was required to meet the phase-in substances period deadline by December 1, 2008. The pre-registration included components of Rutland's NPT technology for producing our non-phthalate ink products. We will continue to monitor new chemicals as we bring in new technology and report those according to the REACH schedule deadlines of 2013 and 2018. We also expect our raw material vendors to register new chemical ingredients as they develop new products. Rutland assures its customers of full compliance with REACH for the products we produce.

Substances of Very High Concern (SVHC):

Rutland Plastic Technologies is aware of the REACH regulations and have met the past deadline proposals by the European Chemicals Agency's (ECHA) for the items on the Substances of Very High Concern (SVHC) list. Based on information from our raw material suppliers and chemical review of our formulations for screen printing ink, the Rutland® Screen Print Inks identified above are not formulated with any of the 174 SVHC chemicals (including those added July 7, 2017) and none are intentionally added during the manufacturing process.

European Directive of the Restriction of the use of Hazardous Substances (2011/65/EU) (RoHS):

The above Rutland® Screen Print Inks meet the European directive (RoHS – Restriction of Hazardous Substances) for limited amounts of lead, mercury, cadmium, hexavalent chromium and polybrominated diphenyl ethers (PBDE). Rutland Plastic Technologies neither knowingly, nor willingly, nor intentionally adds lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), or polybrominated diphenyl ethers (PBDE) to these products.

EC 850/2004, Persistent Organic Pollutants:

The above Rutland® Screen Print Inks do not contain any Persistent Organic Pollutants as listed in EC 850/2004. This includes short chain chlorinated paraffins (SCCP) and PFOS.

Federal Republic of Germany:

2nd Ordinance implementing the alterations to the Consumer Goods Regulations (15 July, 1994) or German Ban on AZO Colorants: The azo dyes listed in the above regulations are not used by Rutland to produce Rutland® Screen Print Inks.

No disperse dyes are used to produce Rutland® Screen Print Inks.

No nickel containing compounds are used in the manufacture of Rutland® Screen Print Inks.

Dodd-Frank S-1502:

The above Rutland® Screen Print Inks do not contain any Conflict Minerals (Gold, Tungsten, Tantalum, or Tin), as described in Dodd-Frank S-1502. Rutland Plastic Technologies neither knowingly, nor willingly, nor intentionally adds Conflict Minerals to these products.

Japan's Ministry of Health, Labour and Welfare (MHLW) amendment of Article 2 of the "Act on Control of Household Products Containing Harmful Substances (Act No. 112 of 1973)":

The above Rutland® Screen Print Inks do not contain any of the 24 aromatic amines identified as harmful substances in household products.

Zero Discharge Hazardous Chemicals Foundation (ZDHC):

The above Rutland® Screen Print Inks do not contain any of the chemicals listed on the Manufacturing Restricted Substances List (MRSL)



RUTLAND® SCREEN PRINT INKS

Other:

The above Rutland® Screen Print Inks:

- Are formulated with ingredients that do not contain Latex.
- Are formulated without Ozone depleting chemicals according to CONEG.
- Are formulated with ingredients that do not contain Bisphenol-A (BPA).
- Are formulated without animal by-products or insects.
- No animals were used in the development or testing.
- Are formulated with ingredients that do not contain (Dimethylfumarate (DMFu) or Organotin compounds.
- Are formulated with ingredients that do not contain Brominated compounds.
- Are formulated with ingredients that do not contain phenols.
- Are formulated with ingredients that do not contain benzidine based components.
- Are formulated with ingredients that do not contain palm oil, palm kernel oil, or palm oil derivatives
- Are formulated with ingredients that do not contain Perfluorinated Chemicals (PFC)

If there are specific questions, call Rutland Group at (800) 438-5134.

Rutland Group:

Kimberly C. Leitch
Environmental Coordinator