



QCM INK COMPANY SCREEN PRINT INKS

Environmental Inks

May 12, 2016

This document covers QCM Screen Print products with the following designations: AP, ATP, AX, DIS, DP, GL, MF, LFP, MTL, P5, PERM, QMX, RD55, STR, TSP, WOW and XOLB:

Rutland Group uses in-house testing equipment and recognized 3rd party analytical laboratories like Bureau Veritas to test select ink products for restricted components. Further, Rutland Group 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 QCM Screen Print Plastics and water base 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® Clair Screen Print Plastics 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 QCM Screen Print Plastics and water base 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 QCM Screen Print Plastics and water base inks, QCM can state that these products do not contain the following chemicals or compounds:

Arsenic, Cadmium, Chromium, Cyanide, Lead, Mercury, Nickel, Phenolic Compounds, Silver. QCM Inks, Screen Print Plastics, and water base inks series 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.



QCM INK COMPANY SCREEN PRINT INKS

California Proposition 65:

The above QCM Screen Print Plastisols, and water base inks do not contain any chemicals known to the state of California to cause cancer or reproductive toxicity (Proposition 65).

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

Rutland Group 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):

QCM is aware of the REACH regulations and has 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 QCM Screen Print Plastisols and water base inks identified above are not formulated with any of the SVHC chemicals (including those added Dec., 2015) 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 QCM Screen Print Plastisols and water base 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 QCM Screen Print Plastisols and water base 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 QCM to produce QCM Screen Print Plastisols and water base inks.

No disperse dyes are used to produce QCM Screen Print Plastisols and water base inks.

No nickel containing compounds are used in the manufacture of QCM Screen Print Plastisols and water base inks.

Dodd-Frank S-1502:

The above QCM Screen Print Plastisols and water base inks do not contain any Conflict Minerals (Gold, Tungsten, Tantalum, or Tin), as described in Dodd-Frank S-1502. QCM neither knowingly, nor willingly, nor intentionally adds Conflict Minerals to these products.



QCM INK COMPANY SCREEN PRINT INKS

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 QCM Screen Print Plastisols and water base inks do not contain any of the 24 aromatic amines identified as harmful substances in household products.

Other:

The above QCM Screen Print Plastisols and water base 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

QCM Company, Inc.:

A handwritten signature in black ink, appearing to read "Kimberly C. Leitch", is written over a horizontal line.

Kimberly C. Leitch
Environmental Coordinator