



UNION INK COMPANY SCREEN PRINT INKS

Non-Phthalate Ink Series

2019 COMPLIANCE STATEMENT

This document covers the Union Ink Company Screen Print Plastisols and water base inks with the following designations: 3DSE, ATHP, DSPCH, DSPP, FOIL-E9211, HALE, LBMX, MACC, MITE, MIXE, MIXV, NPSU, NYBE, PADE, PADV, PAGE, PATE, PATV, PFTR, PLAE, PLFE, PLFX-E9013, PLFX-E9040, PLHE, PLPE, PLRE-9000, PLUE, PLUM-E9080, PLUV, PRPE, PTHF, PUFS- E9111, REFE, and UNSE.

Union Ink Company uses in-house testing equipment and recognized 3rd party analytical laboratories like Bureau Veritas to test select ink products for restricted components. Further, Union Ink Company 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.

Toxic Substances Control Act of 1976 (TSCA) and TSCA Reform:

All of the chemical components in the above Union Ink Company Screen Print Plastisols and water base inks are listed in the TSCA Inventory. Union actively reviews the TSCA Reform legislative and regulatory activities to insure compliance.

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

The above Union Ink Company Screen Print Plastisols and water base inks are formulated to be Non-Phthalate in compliance with California Assembly 1108, Oeko-Tex 100 (including the new regulations in 2018) 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 Union Ink Company 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 Union Ink Company Screen Print Plastisols 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), 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 Union Ink Screen Printing inks, Union can state that these products do not contain the following chemicals or compounds:

Arsenic, Cadmium, Chromium, Cyanide, Lead, Mercury, Nickel, Phenolic Compounds, Silver.

California Proposition 65:

The above listed Union Ink Company 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):

Union Ink Company 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 Union'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. Union assures its customers of full compliance with REACH for the products we produce.

Substances of Very High Concern (SVHC):

Union Ink Company 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 Union Ink Company Screen Print Plastisols and water base inks identified above are not formulated with any of the 197 SVHC chemicals (including those added January 15, 2019) and none are intentionally added during the manufacturing process.

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

Based on the information and representation given to us by the suppliers of the materials we use to manufacture the above Union Ink Company Screen Print Plastisols and water base inks, Union Ink can state that these products meet the European directive (RoHS – Restriction of Hazardous Substances) for limited amounts of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), or polybrominated diphenyl ethers (PBDE). These products also meet Delegated Directive EU 2015/863 which adds four phthalates to the RoHS restricted substances, to be restricted in 2019. These phthalates are Bis (2-ethylhexyl) phthalate (DEHP): CAS # 117-81-7, Butyl benzyl phthalate (BBP): CAS # 85-68-7, Dibutyl phthalate (DBP): CAS # 84-74-2, and Diisobutyl phthalate (DIBP): CAS # 84-69-5. Union Ink neither knowingly, nor willingly, nor intentionally adds lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), polybrominated diphenyl ethers (PBDE, Bis (2-ethylhexyl) phthalate (DEHP): CAS # 117-81-7, Butyl benzyl phthalate (BBP): CAS # 85-68-7, Dibutyl phthalate (DBP): CAS # 84-74-2, or Diisobutyl phthalate (DIBP): CAS # 84-69-5 to these products.

EC 850/2004, Persistent Organic Pollutants:

The above Union Ink Company Screen Print Plastisols and water base inks do not contain any Persistent Organic Pollutants as listed in EC 850/2004.

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 to produce Union Ink Company Screen Print Plastisols and water base inks.

No disperse dyes are used to produce Union Ink Company Screen Print Plastisols and water base inks. No nickel containing compounds are used in the manufacture of Union Ink Company Screen Print Plastisols and water base inks.



Dodd-Frank S-1502:

The above Union Ink Company 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. Union Ink Company 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 Union Ink Company Screen Print Plastisols and water base 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 Union Ink Company Screen Print Plastisols and water base inks do not contain any of the chemicals listed on the Manufacturing Restricted Substances List (MRSL).

Other:

The above Union Ink Company Screen Print Plastisols and water base inks:

- Are manufactured in the USA
- 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 with ingredients that do not contain Polycyclic aromatic hydrocarbons (PAH)
- 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 Didecyl dimethyl ammonium chloride, CAS # 7173-51-5
- 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 Chlorinated paraffins, this included short chain (SCCP), medium chain (MCCP), and long chain (LCCP).
- Are formulated with ingredients that do not contain Perfluorinated Chemicals (PFC)
- Are formulated without organic solvents.

If there are specific questions, call Union Ink Company at (800) 438-5134.

Union Ink Company
Compliance Department

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