

PUBLIC VERSION

ASTM D-4236 Certification for Child Safe Pigment Ink

ASTM D-4236 REPORT LABELING ART MATERIALS FOR CHRONIC HEALTH HAZARDS

CHILD SAFE PIGMENT INK

Date of Report:

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Report Author and Affiliation:

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Product Evaluated:

Child Safe Pigment Ink (all colors in product line)

Summary of ASTM D-4236 Product Evaluation:

This evaluation was performed in accordance with ASTM-D4236, Standard Practice for Labeling Art Materials for Chronic Health Hazards. The Labeling of Hazardous Art Materials Act (LHAMA) amendment to the Federal Hazardous Substances Act (FHSA) (16 CFR 1500) incorporates the ASTM practice for labeling art materials, which requires an evaluation of art material product formulations by a toxicologist certified by a nationally recognized certification board. Authority to enforce the FHSA is vested in the Consumer Product Safety Commission.

Chemical Composition of Product:

PROPRIETARY
ON FILE WITH MANUFACTURER

KLEINFELDER Bright Pecale. Right Salutions

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Chronic Toxicity Evaluation of Constituents:

The quantity of each constituent is not sufficient to produce a chronic toxicity hazard under any reasonably foreseeable condition of manipulation or use, including reasonably foreseeable abuse by children.

Chronic Toxicity Evaluation of Total Formulation:

Total quantity of constituents in the complete formulation and packaged for consumer use is small and not expected to result in acute or chronic toxicity.

Physical and Chemical Form of the Product:

Liquid ink impregnated foam stamp pad. Maximum quantity of ink in any stamp pad as sold to the consumer is approximately ten grams.

Bioavailability of Each Constituent:

Most of the constituents in the Child Safe Pigment ink can be absorbed dermally; however, the quantity of these materials absorbed and the subsequent bioavailability is unlikely to cause adverse health effects.

Reasonably Foreseeable Uses of Product:

Dermal application to the palms of the hands or the soles of the feet to make an inked impression of the hands and feet on paper. The ink product is intended for application on the hands or feet of children by an adult. The ink product may also be used with a rubber stamp to create impressions on paper or applied to the skin to create a temporary tattoo. The manufacturer does not recommend or suggest modification of the product as sold for any purpose.

Potential for Synergism or Antagonism among Product Constituents:

Information regarding the synergistic or antagonist interactions among the product constituents could not be located in the literature reviewed.

Potentially Chronic Adverse Health Effects of Decomposition or Combustion Products:

Inhalation of common combustion products of many constituents, including carbon monoxide, may be hazardous.



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Health Organization or Regulatory Agency Opinions Regarding Chronic - Adverse Health Effects:

No components are listed by NTP, IARC, or the EPA as carcinogens.

Signal Word:

None required

Labeling Recommendations:

Conforms to ASTM D-4236-94 (2011).

Limitations:

Kleinfelder has relied on the product owner or manufacturer to provide all relevant analytical results and the identities of each product constituent whether or not each constituent is an intentional component of the product. Kleinfelder makes no claim whatsoever as to the reliability or accuracy of the information provided by the product owner or manufacturer.

The evaluation performed for this report is subject to the limitations imposed by the scientific information available at the time of the assessment. This report was not designed to quantify or identify all potential hazards to human health associated with the product(s) evaluated. This report does not provide a guarantee as to the level of health hazard that may be associated with the use or misuse of the product(s) evaluated. The conclusions of this report may change as new scientific or technical information becomes available that could modify exposure conditions or toxicity. Other toxicology professionals may reasonably employ different approaches and methods to this or similar projects.

This assessment was conducted in a manner consistent with ASTM D-4236 (2011) and in accordance with the generally accepted standards of care that existed on the date of this report. This assessment does not address any other regulations, laws, or standards that may apply to the commercial sale of this product. No warranty, express or implied, is made.

END OF REPORT