



image inks

a division of A. Kurz Inks (Canada) Limited

2284 Speers Road, Oakville, Ontario L6L 2X8

tel: 905/825-5600 fax: 905/825-8833

info@imageinks.ca www.imageinks.ca

Product Safety Certification for Printing Inks

January 6, 2010

UVACURE series inks sold by Image Inks, **are not** formulated with the following *materials* (see below). No processes applied by Image Inks are likely to adulterate with these *materials*. Additionally, components used to make our inks **are not** formulated with, and no processes applied by our suppliers are likely to adulterate with these *materials*.

List of *materials*:

1/ Hazardous Materials: chemicals that are known to present a hazardous exposure to users of the product, or to purchasers of printed materials under normal conditions of use or in foreseeable emergency situations (OSHA). All exceptions are noted in the Hazardous Ingredients portion of the product Material Safety Data Sheet (MSDS).

2/ Toxic Substances: any raw materials that are not registered on the Toxic Substances Control Act Inventory of Chemical Substances (TSCA).

3/ Heavy Metals: pigments or other materials based on Lead, Cadmium, Hexavalent Chromium, or Mercury. Total trace amounts of these heavy metals is expected to be less than 100 parts per million (ppm) (mg/kg). (California Toxics in Packaging Prevention Act; CONEG Certification; Article 11 of EU 94/62/EC). Trace amount of lead is expected to be less than 90 ppm (Consumer Product Safety Improvement Act of 2008; Sec. 101; effective August 14, 2009)⁽¹⁾.

4/ Drinking Water Toxins: any substances listed pursuant to the California Safe Drinking Water and Toxic Enforcement Act (Proposition 65) in an amount that would require a warning to users of the product, or to purchasers of printed materials using these products. All exceptions are noted in the Hazardous Ingredients and/or Regulatory Information portions of the product MSDS.

5/ Ozone Depleting Substances: any Class I or Class II Ozone depleting chemicals listed under the Clean Air Act Amendments of 1990, and do not require any warning related to such chemicals.

6/ Hazardous Air Pollutants: any substance listed as a Hazardous Air Pollutant (HAP) in Section 112 (definitions) of the Clean Air Act (as amended 1990).

7/ Phthalates: phthalates commonly used as plasticizers in the plastics industry. These include DEHP, DBP, BBP, DINP, DIDP and DnOP. Total trace amounts of any phthalates is expected to be less than .1% (Consumer Product Safety Improvement Act of 2008, Sec. 108)⁽¹⁾ (California Health and Safety Code, Section 108937)⁽¹⁾.

8/ Volatile alkyl nitrites: Consumer Product Safety Act banned hazardous product.



image inks

a division of A. Kurz Inks (Canada) Limited

2284 Speers Road, Oakville, Ontario L6L 2X8

tel: 905/825-5600 fax: 905/825-8833

info@imageinks.ca www.imageinks.ca

Additional considerations for producers of children's books, toys and other products:

Our inks and, and the components therein, are not formulated with, or subjected to process likely to adulterate with any materials of concern listed in the following regulations and standards. Therefore, we expect these products to conform to the requirements of the following:

1/ RoHS⁽¹⁾: European Union's Directive 2002/95/EC, Restrictions of Hazardous Substances (RoHS) Limits: Cadmium 100 ppm, Hexavalent Chromium 1000 ppm, Lead 1000 ppm, Mercury 1000 ppm, Polybrominated biphenyls (PBB) 1000 ppm, and Polybrominated diphenyl ether (PBDE) 1000 ppm.

2/ CFR Title 16⁽¹⁾: Code of Federal Regulation, Title 16, Section 1303 Lead content limit: ≤ 0.06 percent of the weight of the total nonvolatile content.

3/ ASTM F-963⁽¹⁾: ASTM Standard F-963 limits for heavy metal content of soluble surface coating material: Antimony 60 ppm, Arsenic 25 ppm, Barium⁽¹⁾ 1000 ppm, Cadmium 75 ppm, Chromium 60 ppm, Lead 90 ppm, Mercury 60 ppm, and Selenium 500 ppm

4/ EN71-3:1994⁽¹⁾, BS5665-3:1995⁽¹⁾: Specifications for Migration of Certain Elements, limits: Antimony 60 ppm, Arsenic 25 ppm, Barium⁽¹⁾ 500 ppm, Cadmium 75 ppm, Chromium 60 ppm, Lead 90 ppm, Mercury 60 ppm, and Selenium 500 ppm

5/ California Health and Safety Code, Section 108937⁽¹⁾: Phthalates DEHP, DBP, BBP, DINP, DIDP and DnOP content limit: ≤ .1%.

6/ Consumer Product Safety Improvement Act of 2008⁽¹⁾:
Sec. 101 Lead content limit: ≤ 0.009 percent
Sec. 108 Phthalates DEHP, DBP, BBP, DINP, DIDP and DnOP content limit: ≤ .1%

Anthony Kurz – Environmental Compliance Manager

⁽¹⁾: This standard does not only apply to printing ink, but may apply to an end product made with printing ink.

- CFR Title 16, Sec. 1303.2 Definitions: "does not include printing inks"

- Consumer Product Safety Improvement Act of 2008, 16 CFR Part 1500.91 (d) (5) and (6) excludes coatings and CMYK process inks respectively.

This is a Final Ruling listed in Federal Register/ Vol. 74, No. 164/ Wednesday, August 26, 2009/ Rules and Regulations.

- Image Inks products conform to these standards to help our customers produce fully compliant and safe products. It is the responsibility of the manufacturer of such regulated end products to perform required tests to assure the entire end product is compliant.