HP Latex 800 Series Inks

Summary of Regulatory Compliance and Environmental Attributes

Introduction

HP Latex 800 Series Inks (including HP 831, HP 881, and HP 891 supplies) are aqueous-based ink formulations designed by HP for the large format printing industry to meet worldwide regulatory requirements and to address a broad range of health and environmental considerations throughout the entire life cycle of a print, from production to disposal.

Regulatory Summary

Chemical Inventory Status

The following countries have chemical inventory requirements under which the HP Latex 800 Series Inks can be imported without restriction:

- Australia (AICS)
- Canada (DSL/NDSL)
- Providence of Ontario
- China (IECSC)
- Japan (ISHL)
- Korea (KECI, K-REACH)
- New Zealand (NZIoC)
- Philippines (PICCS)
- Switzerland (ChemO)
- Taiwan (ECSI, Taiwan REACH)
- United States (TSCA)

For EU REACH, HP has completed all necessary registrations to import the HP Latex 800 Series Inks.

Regulated Materials

HP Latex 800 Series Inks DO NOT contain the following regulated materials:

- Arsenic, antimony, soluble barium, cadmium, chromium, cobalt, mercury, lead, nickel, and selenium as intentionally added ingredients
- Restricted azo colorants[1]
- Substances regulated as drugs and drug precursors or those requiring special permits for use
- Substances currently regulated under Annex XIV of EU REACH (authorisations) or substances currently restricted under Annex XVII of EU REACH (restrictions)

[1] EU Directive 2002/61/EC, additionally referenced as Regulation (EC) No 1907/2006: REACH, Annex XVI (article 67), restricts the use of azo colorants that break down to aromatic amines known to cause cancer.

January 2020

Health and Environmental Performance

Emissions

No special ventilation equipment is required with HP Latex 800 Series Inks.[2] Additionally, these inks do not contain Hazardous Air Pollutants (HAPs)[3]. HP Latex 800 Series Inks allow HP customers to produce odorless prints.

Volatile Organic Compounds (VOC) content for HP Latex 800 Series Inks is <300 gram/liter (by EPA Method 24). Cleaning and maintenance processes and instructions are designed for minimal VOC emissions and comply with regulations in the United States.

Human and Ecological Health

HP Latex 800 Series Inks do not contain intentionally added components in the following categories:

- Carcinogens and mutagens
- California Proposition 65 listed chemicals at concentrations requiring labeling
- Intentionally added substances identified as endocrine disruptors
- Substances considered very toxic or toxic
- Substances classified as respiratory sensitizers
- Substances identified as "very high concern" (SVHC) according to EU REACH criteria
- Substances identified as “very persistent and/or very bioaccumulative” (VPVB) according to EU REACH criteria.

Transportation and Waste

HP Latex 800 Series Inks are non-flammable, non-combustible[4], and do not require special handling, storage, or transportation-related conditions. These formulations are not classified as Dangerous Goods in accordance with international modes of transport (IATA, IMDG, U.S. DOT, and/or ADR) and do not contain listed marine pollutants.

HP Latex 800 Series Inks do not contain the following substances and/or characteristics associated with hazardous waste:

- Regulated Metals[5] (as listed on page 1)
- Regulated Organics[6]
- Human health and/or ecological toxicity characteristics impacting waste profile

[2] Special ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Special ventilation equipment installation is at the discretion of the customer. See the Site Preparation Guide for details. Customers should consult state and local requirements and regulations.

[3] HP Latex 800 Series inks were tested for Hazardous Air Pollutants, as defined in the Clean Air Act, per U.S. Environmental Protection Agency Method 311 (testing conducted in 2013) and none were detected.

[4] Aqueous-based HP Latex800 Series Inks are not classified as flammable or combustible liquids under the USDOT or international transportation regulations. Testing per the Pensky-Martins Closed Cup method demonstrated flash point greater than 110° C.

[5] Copper is only present in the cyan ink and is present in a bound form as copper pththalocyanine.

[6] Includes regulated substances present on California STLC and TTLC lists.

January 2020

Specialty Applications

Schools, hospitals and living areas

HP Latex 800 Series Inks have been assessed for applications in schools, hospitals and other living areas and meet the emissions certification requirements of UL Greenguard Gold.

UL certification available at http://www8.hp.com/us/en/hp-information/environment/ecolabels.html.

Certifications

HP Latex 800 Series Inks have qualified for certifications that demonstrate they meet some of the most rigorous and comprehensive indoor air quality standards for low chemical emissions.

In addition, HP Latex 800 Series Inks meet the emission criteria for UL Greenguard Gold and the French government`s émission dans l'air intérieur emissions analysis.

HP Latex 800 Series inks are also certified according to the Zero Discharge of Hazardous Chemicals (ZDHC) Manufacturing Restricted Substances List level one criteria, a certification that emphasizes safer chemistries in the textiles manufacturing process.

Recyclability

All HP Latex printheads can be recycled through the HP Planet Partners Program.[7] All HP Latex 800 Series printing supplies—including ink cartridges and printheads,—as well as HP Latex 800 Series Printheads are recyclable through the HP Planet Partners Program.[8] HP Latex 881Inks are supplied in 5-liter ink cartridges, where approximately 70% of the weight of the used ink cartridge is a recyclable cardboard container.

HP's recycling program, HP Planet Partners Program, allows easy recycling of HP Late 800 Series ink printheads for free. Since the program began in 1991, customers have returned more than 500 million HP ink and LaserJet cartridges for recycling worldwide. HP's multi-phase "closed loop" recycling process uses cartridges returned through HP Planet Partners Program as raw material to produce new Original HP ink and LaserJet cartridges. For more information visit the HP Supplies

Recycing page:

hp.com\recycle

Health and Environmental Performance

In 1992, HP adopted a pioneering company-wide Design for the Environment program that considers environmental impact in the design of every product and solution, from the smallest ink cartridge to large scale industrial presses.

[7] Visit hp.com/recycle to see how to participate and for HP Planet Partners Program availability; program may not be available in your area. For countries where this program is not available, and for other consumables not included in the program, consult your local waste authorities on appropriate disposal.

[8] Visit hp.com/recycle to see how to participate and for HP Planet Partners program availability; program may not be available in your area. Where this program is not available, and for other consumables not included in the program, consult your local waste authorities on appropriate disposal.

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For more information about HP's sustainability and product solutions:
www.hp.com

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