Data sheet

HP 2580 and HP 2590 Inks for Coding and Marking

Food and pharma packaging compliance overview

HP 2580 and HP 2590 inks can be used to print coding and marking text and bar codes on food and pharmaceutical packaging, in compliance with applicable regulations and commonly referenced industry standards.

HP 2580 and HP 2590 inks comply with:

- US FDA 21 CFR sections 170-199
- EU Regulation (EC) No. 1935/2004
- EU Regulation (EC) No. 2023/2006
- EU Regulation (EU) No. 10/2011
- Switzerland RS 817.023.21
- Japan Printing Ink Makers Association Negative List (2014)
- Nestlé Guidance Note on Packaging Inks (2016)
- EuPIA GMP Printing Inks for Food Contact Materials (Rev 4, 2016)
- Other commonly referenced industry standards

When used to print coding and marking text and bar codes on the non-food contact surface of food packaging, under specified conditions of use.

HP 2580 and HP 2590 inks are not intended for direct contact with food or pharmaceuticals.

Introduction

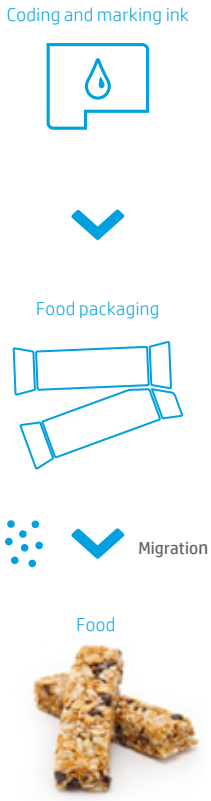
HP 2580 and HP 2590 inks are ideal for coding and marking.
Adoption of HP original Thermal Inkjet (TIJ) technology in the food and pharmaceutical packaging market is growing, as part of a broader digital transformation of the global packaging market. HP Specialty Printing Systems HP 2580 and HP 2590 solvent inks, delivered in a solvent-optimized TIJ 2.5 print cartridge, are ideal for printing coding and marking text and bar codes on many challenging substrates, including flexible films and foils commonly used by food and pharmaceutical manufacturers to package many different types of food and pharma products.

Food and pharmaceutical manufacturers operate within a complex and strict regulatory environment, where consumer safety is of paramount concern. HP 2580 and HP 2590 inks can be used to print coding and marking text and bar codes on the non-food contact surface of many types of food packaging, in compliance with applicable regulations and commonly referenced industry standards. Compliance with these regulations and industry guidelines for food packaging is generally understood to meet the requirements of both food and pharmaceutical manufacturers. This document is intended to provide an overview of HP 2580 and HP 2590 inks in relation to those regulations and industry standards.

Assessing food packaging inks for safety and regulatory compliance

Food manufacturers assess all potential risks to the end consumer from consumption of their products. One risk that should be assessed is contamination of the food with potentially harmful substances resulting from contact with the food packaging and any other food-contact materials.

As food manufacturers perform food contamination risk assessments of their packaging materials, they assess the ink that is used to print coding and marking text and bar codes on the outside surface of their primary and secondary food packaging.



Migration from coding and marking ink

When coding and marking text and bar codes are printed on the non-food contact surface of food packaging, the ink does not have direct contact with the food. However, chemical substances from the ink may transfer through the food packaging to the food, through a process called migration.

The extent of ink migration is dependent on the type and thickness of the packaging materials used, the chemical composition of the ink, the temperature(s) that the packaged food is stored in, the duration of contact between the food packaging and the food, and other factors.

To protect end consumers, regulations and industry standards have established limits for migration of substances from all food contact materials (FCM), including printing inks. Limits are established for the overall migration from all FCM to the food, and for the migration of specific chemical substances contained in the FCM to the food.

Migration of chemical substances can be evaluated using established testing and analytical methodologies, to demonstrate compliance with overall and specific migration limits, as well as with other regulatory requirements, under specified conditions of use.

HP 2580 and HP 2590 inks migration assessment

HP, working with accredited analytical laboratories, has performed migration testing to confirm HP 2580 and HP 2590 inks compliance with overall and specific migration limits, when used to print coding and marking text and bar codes on the non-food contact surface of food packaging, under specified conditions of use.

For full migration test details and specified conditions of use, refer to the HP 2580 and HP 2590 Inks Statement of Composition.

Good Manufacturing Practices (GMP)

Design and manufacture of HP 2580 and HP 2590 inks is in compliance with Good Manufacturing Practice: Printing Inks for Food Contact Materials (Rev 4, 2016), published by the European Printing Ink Association (EuPIA).

HP 2580 and HP 2590 Inks Statement of Composition

For food packaging regulatory compliance details, migration test details, and specified conditions of use, refer to the HP 2580 and HP 2590 Inks Statement of Composition.

To receive a copy of the Statement of Composition, submit a request through HP SPS customer support request form hp.com/go/spssupport.

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