

# HP2580 Ink for Product Identification



## Food and pharma packaging compliance overview

HP2580 ink can be used to print product identification text and bar codes on food and pharmaceutical packaging, in compliance with applicable regulations and commonly referenced industry standards.

### HP2580 ink complies 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 product identification text and bar codes on the non-food contact surface of food packaging, under specified conditions of use.

HP2580 ink is not intended for direct contact with food or pharmaceuticals.

## Introduction

### HP2580 ink is ideal for printing product identification (PI)

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 HP2580 solvent ink, delivered in a solvent-optimized TIJ 2.5 print cartridge, is ideal for printing product identification (PI) 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. HP2580 ink can be used to print PI 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 HP2580 ink in relation to those regulations and industry standards.

## Assessing food packaging inks for safety and regulatory compliance

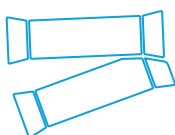
Food manufacturers assess all potential risks to the end consumer from consumption of their products. One risk that should be assessed is contamination of the food with potentially harmful substances resulting from contact with the food packaging and any other food-contact materials.

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

Product  
identification ink



Food packaging



Migration

Food



## Migration from product identification ink

When product identification 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.

## HP2580 ink migration assessment

HP, working with accredited analytical laboratories, has performed migration testing to confirm HP2580 ink compliance with overall and specific migration limits, when used to print product identification 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 HP2580 Statement of Composition.

## Good Manufacturing Practices (GMP)

Design and manufacture of HP2580 ink is in compliance with Good Manufacturing Practice: Printing Inks for Food Contact Materials (Rev 4, 2016), published by the European Printing Ink Association (EuPIA).

## HP2580 Statement of Composition

For food packaging regulatory compliance details, migration test details, and specified conditions of use, refer to the HP2580 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](http://hp.com/go/spssupport).

