

AquaSafe Food Contact Inks

The product range consists of the following products:

Code	Description	Code	Description
201591	AquaSafe Food Contact OPV Coating	201595	AquaSafe Food Contact Black
201592	AquaSafe Food Contact Red	201596	AquaSafe Food Contact Strong Black
201593	AquaSafe Food Contact Yellow	201598	AquaSafe Food Contact Brown
201594	AquaSafe Food Contact White	201600	AquaSafe Food Contact Medium

1. Description

The AquaSafe Food Contact Inks are a range of water based inks and coatings specifically formulated for use in direct food contact applications.

2. Product Features*

- The inks can be run by either flexo or gravure process.
- Can be used successfully on a wide range of coated, metallised and uncoated OPP, paper and foil substrates. A minimum treatment level of 38 dynes cm⁻¹ is required to ensure good adhesion.
- All pigments used are high purity, E number listed food colourants.
- Low odour.
- Excellent chocolate resistance for confectionary applications.
- Good adhesion and general physical resistance properties.
- All products are manufactured under controlled and segregated conditions.

*Specific application performance data, where available can be provided by your Sun Chemical representative.

3. Product Suitability*

Sun Chemical strongly recommends that any new application involving the use the AquaSafe Food Contact Inks is discussed directly with a Sun Chemical representative before proceeding.

3.1 Applications

- AquaSafe Food Contact inks can be applied by either flexo or gravure.
- AquaSafe Food Contact inks have been designed for use in confectionary applications. Use in any other application should be discussed with a Sun Chemical representative.
- The 201591 AquaSafe Food Contact OPV Coating can be used as a coldseal primer on the metallised side of metallised OPP films (to assist coldseal adhesion).

3.2 Substrates

- The AquaSafe Food Contact inks can be used successfully on a wide range of coated, metallised and uncoated OPP, paper and foil substrates. A minimum treatment level of 38 dynes cm⁻¹ is required to ensure good adhesion.

working for you.



3.3 Regulatory

Please consult the separate Regulatory Statement for full details of the compliance status of the AquaSafe Food Contact ink range.

4. General Handling

Please consult the separate Handling Guide.

4.1 Storage

- AquaSafe Food Contact inks are not flammable.
- All AquaSafe Food Contact inks should be stored and handled in such a way that risk of cross contamination is minimised.
- Shelf life of the AquaSafe Food Contact Inks is 6 months from date of manufacture.

4.2 Waste Disposal

- Care should be exercised in the disposal of printing ink waste. This should be carried out in accordance with good industrial practice, observing all the appropriate regulations and guidelines.

For more specific advice please refer to the product specific Safety Data Sheet.

5. Printing Conditions

Please consult the separate Handling Guide.

6. End-use Safety

Please consult the separate Regulatory Statement for full details of the compliance status of the AquaSafe Food Contact ink range.

All Sun Chemical products are formulated to the latest CEPE/EuPIA guidelines. This excludes the use of carcinogenic, mutagenic and toxic for reproduction (CMR 1 and 2) or labelled (T) according to the Dangerous Substances Directive 67/548/EEC, substances classified as very toxic (T+) or toxic (T) and pigments based on compounds of Sb, As, Cd, Cr (VI), Pb, Hg, Se. The use of certain dyes, solvents, plasticisers and miscellaneous materials are also excluded. A copy of the document is available on request.

All Sun Chemical products are designed with end-use safety built-in. Combination of Sun Chemical products with products from other manufacturers may affect the suitability of the Sun Chemical product for specific end uses and/or applications. It is advised that in such circumstances the user undertakes a detailed risk assessment to ensure that safety is not compromised.

Acceptable technical performance of this Lacquer is dependent on:

- Control of application weight.
- Adequate drying on press (to ensure that the print is dry before conversion).
- Appropriate packaging design and structure.
- Control of any migratable substances within the finished packaging structure.



The choice and control of substrate, design (including coverage and coat weight), process conditions (e.g. to ensure proper drying) and any materials from other suppliers are printer or converter technical requirements. Sun Chemical's technical team can provide assistance in the form of suggestions or direct support for our products.

Food Packaging: It is the ultimate responsibility of the food packer to ensure packaged food is safe. With regard to potential migration of substances in to the foodstuff from the printed packaging, it is the responsibility of the converter and food packer to ensure that migration does not exceed any permitted regulatory limitations.

To fulfill its responsibility within the supply chain, and following the signing of a legally binding mutual non-disclosure agreement, Sun Chemical will provide details to the customer of any potential migratable components present in its products through the preparation and communication of a 'Statement of Composition'

7. Disclaimers

This list of applications, substrates and processes provided in this document is not exhaustive. Please contact your local Sun Chemical representative for full technical evaluation of your application or process.

Sun Chemical products are intended for sale to professional users. The information herein is general information designed to assist customers in determining the suitability of our products for their applications. All recommendations are made without guarantee, since the application and conditions of use are beyond our control. We recommend that customers satisfy themselves that each product meets their requirements in all respects before commencing a print run. There is no implied warranty of merchantability or fitness for purpose of the product or products described herein. In no event shall Sun Chemical be liable for damages of any nature arising out of the use or reliance upon this information. Modifications of the product for reasons of improvements might be made without further notice.

8. Technical Assistance / Contacts

For further information, please contact your local Sun Chemical team or visit the website:
<http://www.sunchemical.com>

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