

# FOOD CONTACT

## BYK Regulatory Information

### BYK-014

#### Summary

BYK-014 is suitable for food contact applications in accordance with the following compositional provisions, provided that its use does not exceed the maximum concentration indicated below:

Adhesives		
EU	Regulation (EU) No. 10/2011	Yes – max. 0.5%
	German BfR XIV ‘Polymer Dispersions’	See explanation
USA	21 CFR 175.105 ‘Adhesives’	Yes – max. 0.8%
China	GB9685-2016, table A.5 ‘Adhesives’	No
Coatings		
Europe	Regulation (EU) No. 10/2011	Yes – max. 0.25%
USA	21 CFR 175.300 ‘Resinous and polymeric coatings’	Yes – max. 0.8%
China	GB9685-2016, table A.2 ‘Coatings’	No
MERCOSUR	GMC Resolution n. 39/19	No
	GMC Resolution n. 02/12	No
Printing inks		
Europe	21 <sup>st</sup> Amendment to Consumer Goods Ordinance (GIO)	Yes - max. 0.5%
	Swiss Ordinance 817.023.21	
Industry	Nestlé Standard “Printing Inks for Food Packaging”	Yes
	EuPIA Charter	Yes

This summary only reflects conducted evaluations on existing regulations. It does not exclude compliant use in additional regions or applications. Please refer to the explanation section below for detailed information on the regulations and assessment criteria considered.

## Explanation

### Adhesives

#### EUROPE

#### **Commission Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food**

This product is authorized for use as a polymer production aid. Substances used in its manufacture are either listed in Annex I, authorized under national legislation or have been risk-assessed in accordance with Article 19 of this Regulation.

The table below lists only substances that are used or known to be present and that are relevant for compliance with the specific migration limits (SML) and/or any restrictions set out in Annex I of Regulation (EU) No 10/2011 or in national legislation.

FCM No.	CAS-No.	Name	SML / SML(T) [mg/kg]	Restrictions / Specifications
315	128-37-0	2,6-di-tert-butyl-p-cresol	3	/

This product contains the following substance, which is also authorized for use as a food additive under Regulation (EC) No 1333/2008:

- 2,6-di-tert-butyl-p-cresol, E 321

Based on the current knowledge of the product composition, product specifications, and information provided by raw material suppliers, presence of substances listed in Annex II with restrictions and/or substances for which genotoxicity has not been ruled out is not known or expected. The products are not regularly tested for substances that are neither identified nor reasonably foreseen to be present.

In accordance with our role as manufacturer of substances, and based on information provided to us by raw material suppliers, non-intentionally added substances (NIAS) which have become known to us are assessed in accordance with internationally recognized scientific principles of risk assessment to ensure compliance with the requirements of Article 3(1)(a) of Regulation (EC) No 1935/2004.

The assessments are carried out under the assumption that this product is used in accordance with BYK's recommendations for food contact applications and/or under normal or foreseeable conditions of use, and considering the following parameters: 100% migration, 1 kg of food in contact with 6 dm<sup>2</sup> of packaging material, substrate weight of 15 g/m<sup>2</sup>.

#### **German BfR XIV 'Polymer Dispersions'**

The product is covered by the compositional requirements of BfR XIV 'Polymer Dispersions', except for one component with defoaming activity.

---

## USA

---

### **Adhesives 21 CFR 175.105**

The product complies with the compositional requirements of 21 CFR 175.105 Adhesives. This product includes components that are listed in 21 CFR 175.105 as well as components which conform with the below provisions:

- 21 CFR 184.1555 Rapeseed oil which may be cross-referenced for use in compliance with 21 CFR 175.105.
- US Food Contact Notification which allows the use of BYK-014 at a level not to exceed 0.08 weight percent of the finished food-contact coating. Finished food contact coatings containing the FCS may be used in contact with all food types under Conditions of Use A through H, as described in Tables 1 and 2 of 21 CFR 176.170(c). Therefore, the product can be recommended for use in food contact adhesives in compliance with 21 CFR 175.105 Adhesives.

As per the limitations outlined in that regulation, the final adhesive must either be separated from the food by a functional barrier or used subject to the following additional limitations:

- In dry foods: The quantity of adhesive that contacts packaged dry food shall not exceed the limits of good manufacturing practice.
- In fatty and aqueous foods:
  - The quantity of adhesive that contacts packaged fatty and aqueous foods shall not exceed the trace amount at seams and at the edge exposure between packaging laminates that may occur within the limits of good manufacturing practice.
  - Under normal conditions of use the packaging seams or laminates will remain firmly bonded without visible separation.

---

## CHINA

---

### **GB9685-2016, table A.5 'Adhesives'**

This product does not comply with the National Food Safety Standard of the People's Republic of China, Standard for Uses of Additives in Food Contact Materials and Articles GB9685-2016 table A.5 for adhesives application.

---

---

**Coatings****EUROPE**

---

**Commission Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food**

This product can be considered suitable for use in coatings intended for food contact applications. Additional regulatory information is provided in the 'Adhesives' section.

Please note that the assessments for coatings are based on wet coating formulations, assuming a dry coating thickness of 12 µm and a solid content of 40% w/w. The use level may be adjusted to reflect variations in coating thickness and solid content.

---

**USA**

---

**21 CFR 175.300 'Resinous and polymeric coatings'**

This product complies with the compositional requirements of 21 CFR 175.300 Resinous and polymeric coatings. This product includes components that are listed in 21 CFR 175.300 as well as components which conform with the below provisions:

- 21 CFR 184.1555 Rapeseed oil.
- US Food Contact Notification which allows the use of BYK-014 at a level not to exceed 0.08 weight percent of the finished food-contact coating. Finished food contact coatings containing the FCS may be used in contact with all food types under Conditions of Use A through H, as described in Tables 1 and 2 of 21 CFR 176.170(c).

---

**MERCOSUR**

---

**GMC Res No 02/12 and GMC Res. No. 39/19**

The active components of this product are not compliant with GMC Res. No. 39/19 MERCOSUR Technical Regulation on the positive list of additives for the preparation of plastic materials and polymeric coatings that come into contact with food with the polymer components complying with GMC Res No 02/12 MERCOSUR Technical Regulation on the positive list of monomers, other starting substances and polymers authorized for the manufacturing of plastic packaging and equipment in contact with food. The solvent used in this product is not compliant with MERCOSUR GMC Resolution n. 02/12 and GMC Resolution 39/19 and has a Boiling Point above 150°C. As such, this product cannot be recommended for use as an additive in polymeric coatings.

---

**CHINA**

---

**GB9685-2016, table A.2 'Coatings'**

This product does not comply with the National Food Safety Standard of the People's Republic of China, Standard for Uses of Additives in Food Contact Materials and Articles GB9685-2016 table A.2 for coatings application.

---

## Printing inks

### EUROPE

#### 21<sup>st</sup> Amendment to Consumer Goods Ordinance (GIO)

This product may be used in the manufacture of printing inks for packaging intended for direct and indirect contact with food in accordance with the requirements of the German Consumer Goods Ordinance (Bedarfsgegenständeverordnung). All intentionally used substances are either listed in Annex 14, Table 1 of the GIO or are subject to derogation as per §4, Abs.5, S.5 ("salt rule") or are listed in Regulation (EU) No 10/2011 without restriction in column 9 and/or 10.

The table below lists only substances that are used or known to be present and that are relevant for compliance with the specific migration limits (SML) and/or any restrictions set out in the German Ink Ordinance and/or Regulation (EU) No 10/2011:

FCM No.	CAS-No.	Name	SML / SML(T) [mg/kg]	Restrictions / Specifications
315	128-37-0	2,6-di-tert-butyl-p-cresol	3	/

In accordance with our role as manufacturer of substances, and based on information provided to us by raw material suppliers, non-intentionally added substances (NIAS) which have become known to us are assessed in accordance with internationally recognized scientific principles of risk assessment to ensure compliance with the requirements of Article 3(1)(a) of Regulation (EC) No 1935/2004.

The assessments are carried out under the assumption that this product is used in accordance with BYK's recommendations for food contact applications and/or under normal or foreseeable conditions of use, and considering the following parameters: 100% migration, 1 kg of food in contact with 6 dm<sup>2</sup> of packaging material, substrate weight of 15 g/m<sup>2</sup>.

#### Swiss Ordinance 817.023.21

Intentionally added substances used in this product are either listed in Annex 2 and/or Annex 10 of Swiss Ordinance 817.023.21 (version January 1, 2026) or subject to Article 35(b).

The table below lists only substances that are used or known to be present and that are relevant for compliance with the specific migration limits (SML) and/or any restrictions set out in Annex 2 and/or Annex 10 of this Ordinance:

FCM No.	CAS-No.	Name	SML / SML(T) [mg/kg]	Restrictions / Specifications
721	128-37-0	2,6-di-tert-butyl-p-cresol	3	/

### Industry

#### Nestlé Standard "Printing Inks for Food Packaging" (02/04/2024)

None of the intentionally added substances in the product are listed in the exclusion and/or minimisation lists of the Nestlé Standard "Printing Inks for Food Packaging" (version St-80.001-01 of 02/04/2024).

---

## **EuPIA Exclusion Charter (March 2026)**

The product intentionally does not contain any of the substances listed in Annexes 1 and 2 of the 'EuPIA Charter on Raw Material Selection and Exclusion for Printing Inks and Related Products' (March 2026). The product itself as raw material is not classified and labeled with any of the Hazard Statements for Group I or Group II substances as defined in the section 'Selection Criteria & Procedures'

---

### **General Remarks**

Regulations apply within the context of respective regional framework regulations, e.g. Regulation (EU) No. 1935/2004 and FDA 21 CFR 174.5. Please note that it is the responsibility of both manufacturers of finished food contact articles and downstream business operators to ensure compliance with the applicable migration limits and restrictions of the finished materials or articles under specific real and/or foreseeable conditions of use.

Since traces of unknown processing aids cannot be fully excluded, compliance with general requirements is the responsibility of the end user.

BYK reserves the right to change or update the information without notice. At most, this letter is in effect for three years commencing the date of issue.

**Food Contact Team**  
Regulatory Affairs  
BYK-Chemie GmbH

*The information contained herein is based on our current knowledge and experience. No warranties, guarantees and/or assurances of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. Any information about suitability, use or application of the products is non-binding and does not constitute a commitment regarding the products' properties, use or application. Contractual terms and conditions, in particular agreed product specifications, always take precedence. We recommend that you test our products in preliminary trials to determine their suitability for your intended purpose prior to use. We reserve the right to make any changes and to update the information herein without notice.*

*This issue replaces all previous versions*

ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK-AQUAGEL®, BYK®-DYNWET®, BYK-MAX®, BYK®-SILCLEAN®, BYKANOL®, BYKCARE®, BYKETOL®, BYKJET®, BYKONITE®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFAK®, CERAFLLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, NANOBYK®, OPTIBENT®, OPTIGEL®, PURABYK®, RECYCLOBYK®, RHEOBYK®, SCONA®, SILBYK®, TIXOGEL® and VISCOBYK® are registered trademarks of the BYK group.