

FOOD CONTACT

BYK Regulatory Information

BYK-1740

Summary

BYK-1740 is suitable according to the following compositional provisions for food contact applications, provided that its use does not exceed the maximum concentration as indicated below:

Adhesives		
Europe	Regulation (EU) No. 10/2011	Yes – max 1% (see explanation)
	German BfR XIV ‘Polymer Dispersions’	See explanation
USA	21 CFR 175.105 ‘Adhesives’	Yes – max 0.4% (see explanation)
China	GB9685-2016, table A.5 ‘Adhesives’	No
Coatings		
Europe	Regulation (EU) No. 10/2011	Yes – max 1% (see explanation)
	German BfR XIV ‘Polymer Dispersions’	See explanation
USA	21 CFR 175.300 ‘Resinous and polymeric coatings’	Yes – max 0.4%
China	GB9685-2016, table A.2 ‘Coatings’	No
Paper and paperboard		
Europe	German BfR XXXVI ‘Paper and board for food contact’	See explanation
USA	21 CFR 176.170 ‘Components of paper and paperboard in contact with aqueous and fatty foods’	Yes – max 0.4%
	21 CFR 176.180 ‘Components of paper and paperboard in contact with dry food’	Yes – max 0.4%
Printing inks		
Europe	21 st Amendment to Consumer Goods Ordinance (GIO)	Yes – max 1% (see explanation)
	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	/

One substance with a specific migration limit is considered proprietary information. Further information can be provided upon request.

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 dm² of packaging material, substrate weight of 15 g/m².

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

21 CFR 175.105 'Adhesives'

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 are cleared under 21 CFR 184.1555, which may be cross-referenced for use in compliance with 21 CFR 175.105. In addition, this product contains a component cleared via an effective Food Contact Notification (FCN), which restricts the use of this product as a defoamer in coatings up to 0.4% weight percent of the finished food-contact coating, in contact with all food types under Conditions of Use A through H.

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.

To assure safe usage of adhesives, the label of the finished adhesive container shall bear the statement "food-packaging adhesive".

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.

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

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 are cleared under 21 CFR 184.1555, which may be cross-referenced for use in compliance with 21 CFR 175.300. In addition, this product contains a component cleared via an effective Food Contact Notification (FCN), which restricts the use of this product as a defoamer in coatings up 0.4% weight percent of the finished food-contact coating, in contact with all food types under Conditions of Use A through H.

Paper and board**EUROPE**

German BfR XXXVI 'Paper and board for food contact'

The product is covered by the compositional requirements of BfR-Recommendation XXXVI 'Paper and board for food contact', except for one component with defoaming activity.

USA

21 CFR 176.170 'Components of paper and paperboard in contact with aqueous and fatty foods'**21 CFR 176.180 'Components of paper and paperboard in contact with dry food'**

This product complies with the compositional requirements of 21 CFR 176.170 'Components of paper and paperboard in contact with aqueous and fatty foods' and 21 CFR 176.180 'Components of paper and paperboard in contact with dry food' for use in coatings on paper and paperboard. This product includes components that are listed in 21 CFR 176.210 'Defoaming agents used in the manufacture of paper and paperboard' as well as components which are cleared under 21 CFR 184.1555, which may be cross-referenced for use in compliance with 21 CFR 176.170 and 176.180. In addition, this product contains a component cleared via an effective Food Contact Notification (FCN), which restricts the use of this product as a defoamer up 0.4% weight percent of the finished food-contact coating, in contact with all food types under Conditions of Use A through H.

Printing inks

EUROPE

21st Amendment to Consumer Goods Ordinance (GIO)

Intentionally added substances in this product are either listed in Annex 14, Table 1 of the GIO, subject to derogation under §4, Abs. 5, Sentence 5 ("salt rule"), or are included in Regulation (EU) No 10/2011 without any restrictions indicated in columns 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	/

One substance with a specific migration limit is considered proprietary information. Further information can be provided upon request.

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 dm² of packaging material, substrate weight of 15 g/m².

Swiss Ordinance 817.023.21

This product is manufactured with substances either listed in Annex 2 and/or Annex 10 of Swiss Ordinance 817.023.21 (version January 1, 2026), subject to Article 35(b), or are not classified as carcinogenic, mutagenic, or toxic to reproduction (CMR).

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	/

One substance with a specific migration limit is considered proprietary information. Further information can be provided upon request.

Therefore, this product may be used in printing inks that are not intended to come into direct contact with food.

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
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This issue replaces all previous versions

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