

FOOD CONTACT

BYK Regulatory Information

BYK-377

Silicone surface additive for solvent-free, radiation curable, and solvent-borne coatings, adhesives, and printing inks with a strong reduction of surface tension. Hydroxy-functional and solvent-free.

Summary

BYK-377 is suitable according to the following compositional provisions for food contact applications, as indicated:

Adhesives		
	Suitable for food contact adhesives	Yes
EU	Regulation (EU) No. 10/2011	Yes
	German BfR XIV 'Polymer Dispersions'	Yes
USA	21 CFR 175.105 'Adhesives'	Yes
China	GB9685-2016, table A.5 'Adhesives'	No
Printing inks		
Europe	Suitable for food contact printing inks	Yes
	Swiss Ordinance 817.023.21, Annex 10	Yes
Industry	Nestlé Printing Inks for Food Packaging (07/04/2022)	See explanation
	EuPIA Exclusion List (March 2021)	Yes

This summary only reflects conducted evaluations on existing regulations. It does not exclude compliant use in additional regions or applications. Explanations below show details on considered regulations and evaluations.

Explanation

Adhesives

- EU** **Regulation (EU) No. 10/2011**
The product complies with the compositional requirements of EU/10/2011.
- German BfR XIV 'Polymer Dispersions'**
The product complies with the compositional requirements of BfR XIV 'Polymer Dispersions'.
- Therefore, the product can be recommended for use in food contact adhesives in the EU.
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- USA** **21 CFR 175.105 'Adhesives'**
The product complies with the compositional requirements of Sec. 175.105 of 21 CFR FDA.
- Therefore, the product can be recommended for use in food contact adhesives in regards to Sec. 175.105 of 21 CFR FDA.
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- China** **GB9685-2016, table A.5 'Adhesives'**
Not all components are listed in table A.5 of the GB9685-2016.
- Therefore, the product cannot be recommended for use in food contact adhesives in China.
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Printing inks

Europe **Swiss Ordinance 817.023.21, Annex 10**

This product is conform with the compositional requirements of the part for printing inks for packaging of the Swiss Ordinance 817.023.21 (Version of 1 December 2020) since all components are listed in Annex 10. Specific migration limits apply.

Additional note: the non-listed D4 (CAS 556-67-2) is present, as an impurity. Its amount is referred to in our BRIEF document.

Therefore, the product can be recommended for use in food contact printing inks in Europe.

Industry **Nestlé Printing Inks for Food Packaging (07/04/2022)**

According to the recipe, the product does not intentionally contain any of the substances listed in Table 5 – Table 8 of the Nestlé Printing Inks for Food Packaging (07/04/2022). The product contains the SVHC-components D4 (CAS 556-67-2), D5 (CAS 541-02-6) and D6 (CAS 540-97-6), which are mentioned under 4. 'General Nestlé Exclusions and Minimisations'. The product itself is not classified with the Hazard Statements given in Group A and B of the EuPIA Exclusion Policy.

EuPIA Exclusion List (March 2021)

According to the recipe, none of the substances listed in Annex 1 (Group C – G) of the EuPIA Exclusion List (March 2021) are intentionally present. The product itself is not classified and labeled with any of the Hazard Statements given in Group A and B.

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. 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 deems to be actual for three years commencing the date of issue.

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This issue replaces all previous versions - Printed in Germany.