

# FOOD CONTACT

## BYK Regulatory Information

### BYK-300

Silicone surface additive for solvent-borne coating systems with a medium reduction of surface tension and a medium increase of surface slip.

Technically recommended use level: 0.1 – 0.3%

#### Summary

BYK-300 is suitable according to the following compositional provisions for food contact applications, as indicated:

Coatings		
EU	Suitable for food contact coatings	Yes
	Regulation (EU) No. 10/2011	Yes
	German BfR XIV 'Polymer Dispersions'	Yes
	CoE ResAP (2004) 1	Yes
USA	21 CFR 175.300 'Resinous and polymeric coatings'	Yes (max. 0.08%)
China	GB9685-2016, table A.2 'Coatings'	No

Solvents and other formulation aids are not covered by the food contact status.

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

### Coatings

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#### **EU** Regulation (EU) No. 10/2011

The product complies with the compositional requirements of COMMISSION REGULATION (EU) No. 10/2011 of 14 January 2011 (PIM) on plastic materials and articles intended to come into contact with food.

#### German BfR XIV 'Polymer Dispersions'

The product complies with the compositional requirements of the German BfR-Recommendations XIV 'Polymer Dispersions'.

#### CoE ResAP (2004) 1

The product complies with the compositional requirements of CoE ResAP (2004)1, Version Feb. 2009.

Therefore, the product can be recommended for food contact coatings in the EU.

Solvents and other formulation aids are not covered by the food contact status.

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

The product can be used in compliance with the requirements of FDA 21 CFR 175.300, if used as recommended below. Based on studies and external consultation, we recommend following use conditions:

- Max. use level of 0.08% in wet coating formulations.
- For formulations with a solid content of 40% and a dry thickness of 12 µm.
- As a component of can coatings that will contact aqueous, acidic, alcoholic (up to 50% ethanol content), and dry foods under temperatures corresponding to FDA's Conditions of Use B ("boiling water sterilized").
- The use level can be adapted for deviating thickness and solid content.

Therefore, the product can be recommended for food contact coatings in regards to Sec. 175.300, as described above.

Solvents and other formulation aids are not covered by the food contact status.

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

Not all components are listed in GB9685-2016.

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### Solvents

The product contains a significant amount of solvents. For more information about the solvents, please refer to the Safety Data Sheet. Solvents are currently not regulated by food contact positive lists as it is assumed that solvents evaporate from the finished product so that only residues or traces of no toxicological concern should remain. Evaporation needs to be monitored by the manufacturer of the final product. Article 3 of the Framework Regulation (EC) 1935/2004 should be fulfilled.

### 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.

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

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*This issue replaces all previous versions*

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