

# FOOD CONTACT

## BYK Regulatory Information

### RHEOBYK-430

Liquid rheology additive for solvent-borne coatings, adhesives, and sealants to improve anti-sagging and anti-settling properties

#### Summary

RHEOBYK-430 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'	No
China	GB9685-2016, table A.2 'Coatings'	No

#### **Solvents and 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 main active components of this product is a polymer and manufactured using monomers/starting substances, which are directly listed in Annex I – Table I of Regulation (EU) No. 10/2011. The active component as such is not listed as a “polymeric additive” in a.m. REG. (EU) No. 10/2011 (PIM) (as amended), however the polymeric additive is identical to a polymer that can form the main structural component of a plastic material and therefore the risk from the polymeric additive can be regarded as evaluated as the monomers have already been evaluated and authorized (REG. (EU) No. 10/2011; Art. 6 No.(3) c.) ).

#### **German BfR XIV ‘Polymer Dispersions’**

The active component of this product is conform to the compositional requirements of the German BfR-Recommendation XIV ‘Polymer Dispersions’.

#### **CoE ResAP (2004) 1**

For this product, the monomers and starting substances used for manufacturing the active component are listed in the CoE ResAP (2004) 1, Version Feb. 2009.

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

**Solvents and 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 does not comply with Title 21 CFR (FDA) Regulations for indirect food additives. The components are not fully listed under sections 175.300.

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

The 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).

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## Solvents

The product contains a significant amount of solvents [Solvent naphtha (petroleum), light aromatic, with a boiling range from 140 °C – 200 °C and iso-butanol, with a boiling range from 107 °C – 108 °C]. 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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