

# FOOD CONTACT

## BYK Regulatory Information

### BYK-023

VOC-free silicone-containing defoamer for aqueous dispersion coatings, printing inks, overprint varnishes, and cleaning agents.

Technically recommended use level: 0.05 – 1%

#### Summary

BYK-023 is suitable according to the following compositional provisions for food contact applications, as indicated:

Coatings		
EU	Suitable for food contact coatings	No
	Regulation (EU) No. 10/2011	No
	German BfR XIV 'Polymer Dispersions'	No
	CoE ResAP (2004) 1	No
USA	21 CFR 175.300 'Resinous and polymeric coatings'	Yes (0.65%)
China	GB9685-2016, table A.2 'Coatings'	No
Adhesives		
EU	Suitable for food contact adhesives	No
	Regulation (EU) No. 10/2011	No
	German BfR XIV 'Polymer Dispersions'	No
	German BfR XXXVI 'Paper and board for food contact'	No
USA	21 CFR 175.105 'Adhesives'	Yes (0.65%)
China	GB9685-2016, table A.5 'Adhesives'	No

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**  
This product does not comply with the Regulation (EU) No. 10/2011.
- German BfR XIV 'Polymer Dispersions'**  
The components of this product are not fully covered by the German BfR-Recommendation XIV 'Polymer Dispersions'.
- CoE ResAP (2004) 1**  
The product is not covered by the compositional requirements of the CoE ResAP (2004) 1.
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- USA**      **21 CFR 175.300 'Resinous and polymeric coatings'**  
The product complies with Title 21 CFR (FDA) Regulations for indirect food additives. The components are fully listed under section 175.300, but restrictions apply.
- Based on the FDA restrictions, we recommend the following use conditions:
- Maximum use level of 0.65% in wet coating formulations;
  - For formulations with a solid content of 40 % and a final film thickness of 12 µm;
  - The use level can be adapted for deviating film thickness and solid content.
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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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**Adhesives**

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

This product does not comply with the Regulation (EU) No. 10/2011.

**German BfR XIV 'Polymer Dispersions'**

The components of this product are not fully covered by the German BfR-Recommendation XIV 'Polymer Dispersions'.

**German BfR XXXVI 'Paper and board for food contact'**

The components of this product are not fully covered by the German BfR-Recommendation XXXVI. "Paper and board for food contact".

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**USA**      **21 CFR 175.105 'Adhesives'**

The product can be used in compliance with the requirements of FDA 21 CFR 175.105. The components are fully listed under section 175.105, but restrictions apply.

Based on the FDA restrictions, we recommend the following use conditions:

- Maximum use level of 0.65 % in wet coating formulations;
  - For formulations with a solid content of 40% and a final film thickness of 12 µm;
  - The use level can be adapted for deviating film thickness and solid content.
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**China**      **GB9685-2016, table A.5 'Adhesives'**

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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## 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**  
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