

FOOD CONTACT

BYK Regulatory Information

DISPERBYK-142

High molecular weight wetting and dispersing additive for solvent-borne coatings and pigment concentrates. Particularly suitable for stabilizing pigments in epoxy resins.

Summary

DISPERBYK-142 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	No
	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 2 'Coatings'	No
Printing inks		
Europe	Suitable for food contact printing inks	Yes
	Swiss Ordinance 817.023.21, Annex 10	Yes
Industry	Nestlé Guidance Note on Packaging Inks (Oct. '18)	Yes
	EuPIA Exclusion List (Nov. '16 – Corr. Dec. '18)	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

Coatings

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

The monomers and starting materials used to manufacture the components of the product are listed directly in Annex I - Table I of Regulation (EU) No 10/2011. Specific Migrations Limits and/or restrictions apply. The main active component as such is not listed as a “polymeric additive” in a.m. REG. (EU) No. 10/2011 (PIM), and therefore the product can formally not be used as an additive in compliance with this regulation.

German BfR XIV ‘Polymer Dispersions’

The product can be used in compliance with national legislation for coatings, incl. BfR Recommendation XIV – Polymer Dispersions for coating commodities intended to come into contact with Foods and Resins and Plastics.

CoE ResAP (2004) 1

For this product, not all components, or their monomers and starting substances used for manufacturing, are listed in the CEPE ‘Code of practice for food contact coatings’, Edition 4, Version Feb. 2009.

Solvents

Additionally, the product contains a significant amount of solvent, which is not in scope of the regulation (See safety data sheet and/or BRIEF).

Solvents are expected to evaporate while producing the finished food contact article resulting in traces of no toxicological concern. Evaporation needs to be monitored by the manufacturer of the final product. Article 3 of Framework Regulation (EC) 1935/2004 applies.

Therefore, the product is recommended for use in food contact coatings in the EU.

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 section 175.300.

China **GB9685-2016 table 2 ‘Coatings’**

The active components of DISPERBYK-142 are not listed in GB9685-2016.

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). The monomers/starting substances for manufacturing the active components and all other components are listed in Annex 10. Specific migration limits apply.

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

Industry **Nestlé Guidance Note on Packaging Inks (Oct. '18)**

According to the recipe, the product does not contain any of the substances listed in Table 1 – Table 6 of the Nestlé Guidance note on Packaging Inks (dated October 2018). However, the solvent 2-Methoxy-1-methylethylacetat (CAS No. 108-65-6), which is listed in Table 7, is present.

EuPIA Exclusion List (Nov. '16 – Corr. Dec. '18)

According to the recipe, none of the substances listed in Annex 1 (Group C – G) of the EuPIA Exclusion List (November 2016 - Corrigendum Dec. 2018) are 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.

Food Contact Team
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This issue replaces all previous versions

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