

FOOD CONTACT

BYK Regulatory Information

AQUACER 2500

Wax emulsion on the basis of modified PE for aqueous foil and paper coatings to improve slip and abrasion resistance.

Summary

AQUACER 2500 is suitable according to the following compositional provisions for food contact applications, as indicated:

Paper and paperboard		
EU	Suitable for food contact paper and paperboard	No
	Regulation (EU) No. 10/2011	No
	German BfR XXXVI 'Paper and board for food contact'	No
USA	21 CFR 176.170 'Components of paper and paperboard in contact with aqueous and fatty foods'	Yes (restricted)
	21 CFR 176.180 'Components of paper and paperboard in contact with dry food'	Yes
China	GB9685-2016, table A.6 'Paper'	No
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'	No
China	GB9685-2016, table A.2 'Coatings'	Yes
Printing inks		
Europe	Suitable for food contact printing inks	No
	Swiss Ordinance 817.023.21, Annex 10	No
Industry	Nestlé Printing Inks for Food Packaging (07/04/22)	No
	EuPIA Exclusion List (March 2021)	No

Adhesives		
	Suitable for food contact adhesives	No
	Regulation (EU) No. 10/2011	No
EU	German BfR XIV 'Polymer Dispersions'	No
	German BfR XXXVI 'Paper and board in contact with food'	No
USA	21 CFR 175.105 'Adhesives'	Yes
China	GB9685-2016, table A.5 'Adhesives'	No

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

Paper and paperboard

- EU** **Regulation (EU) No. 10/2011**
This product does not comply with the Regulation (EU) No. 10/2011.
- 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".
-
- USA** **21 CFR 176.170 'Components of paper and paperboard in contact with aqueous and fatty foods'**
The basic polymer of AQUACER 2500 is compliant in the following way: Permitted without extraction limitations as components of coatings for use only in contact with moist bakery products with the surface containing no free fat or oil (21 CFR 176.170 Table 1, Food Type VII-B), and limited to 50% of the coating solids.
- 21 CFR 176.180 'Components of paper and paperboard in contact with dry food'**
The basic polymer of AQUACER 2500 is compliant without limitations with 21 CFR 176.180.
- Therefore, the product can be recommended in regards to Sec. 176.170 and Sec. 176.180, as described above.
- Formulation aids are not covered by the food contact status.
-
- China** **GB9685-2016, table A.6 'Paper'**
The product does not comply with table A.6 'Paper' of 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).
-

Coatings

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.

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

The product does not comply with the compositional requirements of Sec. 175.300.

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

The active components of AQUACER 2500 are listed in GB9685-2016 table A2 for coating application.

Printing inks

Europe **Swiss Ordinance 817.023.21, Annex 10**

This product is not 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).

Industry **Nestlé Printing Inks for Food Packaging (07/04/22)**

The product is not conform with the compositional requirements of the Nestlé Printing Inks for Food Packaging (07/04/22).

EuPIA Exclusion List (March 2021)

The product is not conform with the compositional requirements of the EuPIA Exclusion List (March 2021).

Adhesives

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 in contact with food'

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

USA **21 CFR 175.105 'Adhesives'**

The product is covered by the compositional requirements of Sec. 175.105.

Formulation aids are not covered by the food contact status.

China **GB9685-2016, table A.5 'Adhesives'**

The product does not comply with table A.5 'Adhesives' of 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).

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

ADD-MAX[®], ADD-VANCE[®], ANTI-TERRA[®], AQUACER[®], AQUAMAT[®], AQUATIX[®], BENTOLITE[®], BYK[®], BYK-AQUAGEL[®], BYK[®]-DYNWET[®], BYK-MAX[®], BYK[®]-SILCLEAN[®], BYKANOL[®], BYKCARE[®], BYKETOL[®], BYKJET[®], BYKO2BLOCK[®], BYKONITE[®], BYKOPLAST[®], BYKUMEN[®], CARBOBYK[®], CERACOL[®], CERAFAK[®], CERAFLLOUR[®], CERAMAT[®], CERATIX[®], CLAYTONE[®], CLOISITE[®], DISPERBYK[®], DISPERPLAST[®], FULACOLOR[®], FULCAT[®], GARAMITE[®], GELWHITE[®], HORDAMER[®], LACTIMON[®], LAPONITE[®], MINERPOL[®], NANOBYK[®], OPTIBENT[®], OPTIFLO[®], OPTIGEL[®], POLYAD[®], PRIEX[®], PURABYK[®], PURE THIX[®], RECYCLOBLEND[®], RECYCLOBYK[®], RECYCLOSSORB[®], RECYCLOSTAB[®], RHEOBYK[®], RHEOCIN[®], RHEOTIX[®], SCONA[®], SILBYK[®], TIXOGEL[®] and VISCOBYK[®] are registered trademarks of the BYK group.

The information herein is based on our present knowledge and experience. The information merely describes the properties of our products but no guarantee of properties in the legal sense shall be implied. We recommend testing our products as to their suitability for your envisaged purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. We reserve the right to make any changes according to technological progress or further developments.

This issue replaces all previous versions - Printed in Germany.