

FOOD CONTACT

BYK Regulatory Information

AQUACER 531

Wax emulsion on modified PE basis to improve surface properties of aqueous coatings and printing inks. Anti-caking additive for thermoplastics and hot-melt adhesives.

Summary

AQUACER 531 is suitable according to the following compositional provisions for food contact applications, as indicated:

Adhesives		
EU	Suitable for food contact adhesives	Yes
	Regulation (EU) No. 10/2011	Yes
	German BfR XIV 'Polymer Dispersions'	Yes
	BfR XXXVI 'Paper and board for food contact'	Yes
USA	21 CFR 175.105 'Adhesives'	Yes
China	GB9685-2016, table A.5 'Adhesives'	Yes
Printing inks		
Europe	Suitable for food contact printing inks	See explanation
	Swiss Ordinance 817.023.21, Annex 10	Yes
Industry	Nestlé Printing Inks for Food Packaging (07/04/2022)	See explanation
	EuPIA Exclusion List (March 2021)	See explanation
MOSH/MOAH	French Decree (13 April 2022)	Present

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

Adhesives

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

All components of this product are directly listed in Annex I – Table I of Regulation (EU) No. 10/2011 (including all amendments). Specific Migration Limits and/or restrictions apply.

German BfR XIV ‘Polymer Dispersions’

The product complies with the compositional requirements of BfR XIV ‘Polymer Dispersions’.

BfR XXXVI ‘Paper and board for food contact’

The product complies with the compositional requirements of BfR XXXVI ‘Paper and board for food contact’.

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

USA **21 CFR 175.105 ‘Adhesives’**

The product complies with the compositional requirements of Sec. 175.105 of 21 CFR FDA.

Therefore, the product can be recommended for use in food contact adhesives in regards to Sec. 175.105 of 21 CFR FDA.

China **GB9685-2016, table A.5 ‘Adhesives’**

The active components are listed in GB9685-2016 table A5 for adhesive applications.

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) since all components are listed on the A-list in Annex 10. Specific migration limits apply.

Industry **Nestlé Printing Inks for Food Packaging (07/04/2022)**

According to the recipe, the product contains mineral oil saturated hydrocarbons, which is mentioned under 4. 'General Nestlé Exclusions and Minimisations' of the Nestlé Printing Inks for Food Packaging (07/04/2022). According to the recipe, the product does not intentionally contain any of the substances listed in Table 5 – Table 8 of the Nestlé Printing Inks for Food Packaging (07/04/2022).

EuPIA Exclusion List (March 2021)

According to the recipe, none of the substances listed in Annex 1 (Group C – G) of the EuPIA Exclusion List (March 2021) are intentionally present. The product itself is not classified and labeled with any of the Hazard Statements given in Group A and B, although the product contains CMIT/MIT (3:1) [CAS no. 55965-84-9] (< 0.01 %), which itself is classified with the Hazard Statements given in Group A and B.

MOSH/MOAH **French Decree (13 April 2022)**

The French Decree of 13 April 2022 specifies substances contained in mineral oils whose use is prohibited on packaging and for printing intended for the public.

The following requirements are set:

Enforcement date 01.01.2023:

Mineral Oil Aromatic Hydrocarbons (MOAH):

Containing 1 to 7 aromatic rings: $\leq 0,1\%$

Mineral Oil Saturated Hydrocarbons (MOSH):

Containing (C16 - C35 carbon atoms): $\leq 1,0\%$

Enforcement date 01.01.2025:

Mineral Oil Aromatic Hydrocarbons (MOAH):

Containing 1 to 2 aromatic rings: $\leq 0,1\%$

Containing 3 to 7 aromatic rings: ≤ 1 ppm

Mineral Oil Saturated Hydrocarbons (MOSH):

Containing (C16 - C35 carbons atoms): $\leq 0,1\%$

According to the recipe, the product contains a wax according to the definitions set in the French Decree of 13 April 2022, in the following way:

Mineral Oil Saturated Hydrocarbons containing (C16 - C35 carbon atoms): < 10%.

For you as a customer, this means that you can carry out your own food assessment of your product based on the provided amounts of MOSH/MOAH.

Please do not hesitate to contact us if you have any questions.

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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