

FOOD CONTACT

BYK Regulatory Information

CLOISITE-Ca++

Microgranuled Clay based on a natural mineral for aqueous polymers having optimized surface properties and cations composition for exfoliation in aqueous systems. The product is microscaled in its delivery form and exfoliates to nano scale in the matrix only.

Summary

CLOISITE-Ca++ is suitable according to the following compositional provisions for food contact applications, as indicated:

Plastics		
EU	Suitable for food contact plastics	Yes
	Regulation (EU) No. 10/2011	Yes
USA	21 CFR 177.1520 'Olefin polymers'	Yes
China	GB9685-2016, table A.1 'Plastics'	Yes
Paper and paperboard		
EU	Suitable for food contact paper and paperboard	Yes
	Regulation (EU) No. 10/2011	Yes
	German BfR XXXXVI 'Paper and board for food contact'	Yes
USA	21 CFR 176.170 'Components of paper and paperboard in contact with aqueous and fatty foods'	Yes
	21 CFR 176.180 'Components of paper and paperboard in contact with dry food'	Yes
China	GB9685-2016, table A.6 'Paper'	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

Plastics

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

The product complies with the compositional requirements of REG EU/10/2011.

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

USA **21 CFR 177.1520 'Olefin polymers'**

The product complies with the compositional requirements of Sec. 177.1520 of 21 CFR FDA.

Therefore, the product can be recommended for use in food contact plastics in regards to Sec. 177.1520 of 21 CFR FDA.

China **GB9685-2016, Table A.1 'Plastics'**

The active components of CLOISITE-Ca++ are listed in GB9685-2016 table A1 for plastic applications.

Therefore, the product can be used in plastics in regards to GB9685-2016.

Paper and paperboard

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).

German BfR XXXVI ‘Paper and board for food contact’

The product is covered by the compositional requirements of BfR XXXVI ‘Paper and board for food contact’.

Therefore, the product can be recommended for use in food contact paper and paperboard in the EU.

USA **21 CFR 176.170 ‘Components of paper and paperboard in contact with aqueous and fatty foods’**

The product complies with the compositional requirements for colorants of 21 CFR 176.170.

21 CFR 176.180 ‘Components of paper and paperboard in contact with dry food’

The product complies with the compositional requirements for colorants of 21 CFR 176.180.

Therefore, the product can be recommended for paper and paperboard as described in 21 CFR 176.170 & 176.180.

China **GB9685-2016, table A.6 ‘Paper’**

The active components of the product are listed in GB9685-2016 table for paper applications.

Therefore, the product can be recommended for paper and paperboard as described in GB9685-2016, table A.6.

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

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.

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.