

# FOOD CONTACT

## BYK Regulatory Information

### RHEOBYK-405

Liquid rheology additive for solvent-borne coating systems to increase the rheological effectiveness of pyrogenic fumed silica. Incorporation of the fumed silica is made easier, separation is prevented, and the thixotropic behavior increased or stabilized.

#### Summary

RHEOBYK-405 is suitable according to the following compositional provisions for food contact applications, as indicated:

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 (October 2018)	No
	EuPIA Exclusion List (November 2016 - Corrigendum Dec. 2018)	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

---

### 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 2019) since all 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 (October 2018)**

According to the recipe, the product does not contain any of the substances listed in Table 1 – Table 7 of the Nestlé Guidance note on Packaging Inks (dated October 2018). However, the solvent toluene (CAS 108-88-3), which is listed in Table 6, and the solvent ethylbenzene (CAS 100-41-4), which is listed in Table 7, are present.

**EuPIA Exclusion List (November 2016 - Corrigendum Dec. 2018)**

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**  
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*

ACTAL<sup>®</sup>, ADD-MAX<sup>®</sup>, ADD-VANCE<sup>®</sup>, ADJUST<sup>®</sup>, ADVITROL<sup>®</sup>, ANTI-TERRA<sup>®</sup>, AQUACER<sup>®</sup>, AQUAMAT<sup>®</sup>, AQUATIX<sup>®</sup>, BENTOLITE<sup>®</sup>, BYK<sup>®</sup>, BYK<sup>®</sup>-DYNWET<sup>®</sup>, BYK<sup>®</sup>-MAX<sup>®</sup>, BYK<sup>®</sup>-SILCLEAN<sup>®</sup>, BYKANOL<sup>®</sup>, BYKETOL<sup>®</sup>, BYKJET<sup>®</sup>, BYKO2BLOCK<sup>®</sup>, BYKOPLAST<sup>®</sup>, BYKUMEN<sup>®</sup>, CARBOBYK<sup>®</sup>, CERACOL<sup>®</sup>, CERAFAK<sup>®</sup>, CERAFLOUR<sup>®</sup>, CERAMAT<sup>®</sup>, CERATIX<sup>®</sup>, CLAYTONE<sup>®</sup>, CLOISITE<sup>®</sup>, DISPERBYK<sup>®</sup>, DISPERPLAST<sup>®</sup>, FULACOLOR<sup>®</sup>, FULCAT<sup>®</sup>, GARAMITE<sup>®</sup>, GELWHITE<sup>®</sup>, HORDAMER<sup>®</sup>, LACTIMON<sup>®</sup>, LAPONITE<sup>®</sup>, MINERAL COLLOID<sup>®</sup>, MINERPOL<sup>®</sup>, NANOBYK<sup>®</sup>, OPTIBENT<sup>®</sup>, OPTIFLO<sup>®</sup>, OPTIGEL<sup>®</sup>, PAPERBYK<sup>®</sup>, PERMONT<sup>®</sup>, POLYAD<sup>®</sup>, PRIEX<sup>®</sup>, PURE THIX<sup>®</sup>, RECYCLOBLEND<sup>®</sup>, RECYCLOBYK<sup>®</sup>, RECYCLOSSORB<sup>®</sup>, RECYCLOSTAB<sup>®</sup>, RHEOBYK<sup>®</sup>, RHEOCIN<sup>®</sup>, RHEOTIX<sup>®</sup>, SCONA<sup>®</sup>, SILBYK<sup>®</sup>, TIXOGEL<sup>®</sup>, VISCOBYK<sup>®</sup> and Y 25<sup>®</sup> are registered trademarks of the BYK group.