

POTASSIUM BICARBONATE

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CAS Name: Carbonic acid, potassium salt (1:1) / Potassium hydrogen carbonate

CAS No.: 298-14-6

EC No.: 206-059-0

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1 European Union

Regulation (EU) No 10/2011 and Regulation (EC) No 1935/2004

The product is listed with respect to its component in Regulation (EU) No 10/2011 on plastics materials and articles intended to come into contact with food and its amendments, implementing Regulation (EC) No 1935/2004 for plastics. This additive may be used in the manufacture of plastic materials and articles intended to come into contact with food in the European Union.

Please notice the following restrictions from Annex I of Regulation (EU) No 10/2011 for the final article:

FCM No.	PM-Ref. No.	CAS No.	Substance	SML [mg/kg]
21	42500	-	Carbonic acid, salts	(60)

Additional Information:

The product is made of raw materials of technical purity. Finished food contact materials or articles containing this product as a component, need to comply inter alia with Overall Migration Limit (OML) requirements - as specified in EU-Regulation 10/2011. Verification of compliance with migration limits (OML and SML) should be carried out in accordance with the rules laid down there. We would like to point out that it is in the sole responsibility of the manufacturer of the final material or article to assure the compliance with the OML requirements under actual and foreseeable conditions of use, and to check it on a regular basis. The manufacturer of food contact materials or articles, containing this product as a component, must in particular ascertain that these finished materials or articles meet the general regulatory requirement that they do not endanger human health, or bring about an unacceptable change in the composition of the food or deterioration in the organoleptic characteristics thereof.

Dual use additives

The product is listed in Regulation (EC) No 1333/2008 on food additives with E-number E 501(ii). Specifications: no restrictions for use in materials or articles

The product meets the requirements of regulation (EU) No 231/2012 laying down specifications for food additives listed in Annexes II and III to Regulation (EC) No 1333/2008 with concern to the following measured impurity levels:

- Arsenic < 1 ppm
- Lead < 1 ppm
- Mercury < 1 ppm

The product is not listed in Regulation (EC) No 1334/2008 on flavourings and certain food ingredients with flavouring properties for use in and on foods.

2 USA

Food and Drug Administration (FDA)

The product complies with the following section of the food contact regulations in the USA (Food and Drug Administration (FDA), Code of Federal Regulation (CFR) 21):

Listing of Color Additives Exempt from Certification

§73.85 Caramel

Cacao Products

§163.110 Cacao nibs

§163.111 Chocolate liquor

§163.112 Breakfast cocoa

§163.113 Cocoa

§163.114 Low-fat cocoa

§163.117 Cocoa with dioctyl sodium sulfosuccinate for manufacturing

Direct Food Substances Affirmed as Generally Recognized as Safe (GRAS)

§184.1613 Potassium bicarbonate

Animal drugs, feeds and related products, Substances Generally Recognized as Safe (GRAS)

§582.1613 Potassium bicarbonate

There are restrictions in each of the regulations that must be taken into account. Users must review all applicable regulations and restrictions to assure compliance.

3 China

National Food Safety Standard for Food Additive Use GB 2760-2014

The product is listed in GB 2760-2014 with CNS 01.307, INS 501 ii.

Function: Acidity regulator

Food Category No.: 13.01

Food Category: Infant formula

Listed in Table C.1: List of the Processing Aids Permitted in Processing of Various Kinds of Foods, and No Restriction of the Residue Level (excluding Enzyme Preparation)

National Food Safety Standards - Food Flavors GB 30616-2014

The product is listed in GB 30616-2014 with CNS 01.307, INS 501 ii.

Chinese National Standard GB 9685-2016

The product is not listed in the Chinese National Standard GB 9685-2016.

4 Germany

The product is listed in the BfR (Federal Institute for risk assessment) Recommendations on Food Contact Materials in the following chapter:

XIV. Polymer Dispersions

5 Nutritional Information

Nutritional information (based on a 100 g sample)

Component	Value / g	Comment
Calories	0.0	Note that potassium hydrogen carbonate is an inorganic substance, which is essentially 100% KHCO_3 .
Calories from fat	0.0	
Total fat	0.0	
Trans fat	0.0	
Saturated fat	0.0	
Added sugars	0.0	
Total sugars	0.0	
Cholesterol	0.0	
Potassium	39.0	This is the amount of potassium in the potassium hydrogen carbonate.
Total Carbohydrates	0.0	
Protein	0.0	
Vitamin A	0.0	
Vitamin C	0.0	
Vitamin D	0.0	
Calcium	< 0.001	
Iron	< 0.001	
Thiamin B1	0.0	
Riboflavin B2	0.0	
Niacin	0.0	
Sodium	< 0.025	
Moisture	< 0.2	
Dietary fibers	0.0	

Special diets

Suitable for celiacs	Yes
Suitable for vegans	Yes
Suitable for vegetarians	Yes
Suitable for ova-lacto vegetarians	Yes
Suitable for diabetics	Yes

6 Additional Regulations / Statements

6.1 Ionising Radiation, Irradiation and ETO Statement

The product is not treated by ionizing radiation according to Directive 1999/2/EC and amendments concerning food and food ingredients. The product is not sterilized by radiation or treated with Ethylene Oxide (ETO) at any point of our manufacturing process.

6.2 Genetically Modified Organisms (GMO) Statement

Substances of GMOs (Genetically Modified Organisms) origin according to Regulation (EG) No. 1829/2003, 1830/2003 and the national German "EGGentechnik-Durchführungsgesetz (EGGenTDurchfG)" are not intentionally used during the manufacturing process of the product.

6.3 Substances or Products causing Allergies, Intolerances or Cross-allergies Statement

We confirm that our product does not contain any allergens or other substances causing intolerances according to Annex II of Regulation (EU) No. 1169/2011 and amendments.

6.4 Kosher Statement

We hereby certify that the ingredients and the product and packaging process of potassium hydrogen carbonate produced by Evonik Performance Materials GmbH in Niederkassel (Germany) do not contain, nor come in contact with any non-kosher substances in the course of production and packaging. The product is therefore KOSHER-PARVE (excluding Passover). The statement is valid until 1st April 2021.

6.5 Halal Statement

We hereby certify the product manufactured by Evonik Performance Materials GmbH at the production site in Niederkassel (Germany) is HALAL. A HALAL CONTROL conformity assessment, documented in an audit report, has verified that the product is complying with the Halal requirements in accordance with the Islamic Law.

Technical note: The verification and certification have been undertaken according to HALAL CONTROL certification scheme HC-SE-01. The product and the production system are under supervision of HALAL CONTROL.

The statement is valid until 25th January 2021.

6.6 HACCP Statement

We confirm to our customer that we established quality assurance system and the product mentioned above fulfils the requirements of the quality assurance system in view of health safety according to HACCP. The certificate is valid until 29th February 2020.

6.7 FSSC Statement

We confirm to our customer that we have been assessed and comply with the requirements of FSSC 22000 certification for food safety including ISO 22000:2005, ISO/TS 22002-1:2009 and additional FSSC 22000 requirements. The certificate is valid until 29th June 2021.

Disclaimer:

European Union

All information given in this Regulatory Information/Declaration of Compliance are based on our present knowledge and experience. All information is intended for persons having the required skill and know-how and do not relieve you from verifying the suitability of the information given for a specific purpose prior to use by testing, which should be carried out only by qualified experts. Use or application of such information is at your sole responsibility and risk, without any liability on the part of Evonik Performance Materials GmbH. We reserve the right to make any changes required by law or as necessitated by new knowledge.

This information is based on the current legislation and is updated periodically to include new amendments. In the case of uncertainties, we recommend consulting our technical service. For further inquiries please consult our technical service.

Further information can be found on our Material Safety Data Sheet (SDS):

Hazards identification, REACH-Registration number(s) (if already available), First Aid, Fire Fighting Measures, Accidental release measures, Handling and Storage, Exposure Control, Personal Protection, Physical and Chemical Properties, Stability and Reactivity, Toxicological and Ecological Information, Disposal Considerations, Risk Information (e.g. Transportation, Labelling, Risk Phrases, Water Hazard Class, International Registration Status).

Please, pay attention to the national edition of the SDS.

The following e-mail address should be used in order to request the SDS:

sds-info-epm@evonik.com

NAFTA

"This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. The mentioned substances are not intentionally added in the production process and a formation during synthesis is unlikely. However, Evonik has not tested the product in respect to the mentioned substances and recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice."