

NATIONAL[™] 465 modified food starch

NATIONAL[™] 465 is a chemically modified food starch refined from waxy maize.

Label Declaration Recommendation

EU: Modified Starch

Codex: Modified Starch

Please note the botanical origin of starch only needs to be declared if starch contains gluten.

Classification

EU: Food Additive E 1442 (Complies with Regulation (EC) 1333/2008 and Reg (EU) 231/2012)

Codex: Food Additive INS 1442 (Complies with the JECFA Monograph 27)

Storage and Handling

Store in a clean, dry, well-ventilated warehouse at ambient temperature and humidity, away from odorous materials.

Shelf Life

24 months from date of manufacture if stored correctly. Best before dates printed on each bag.

Safety Data

While not regarded as "Hazardous", food starches are fine organic powders and, as such, they can give rise to a nuisance dust which has the potential to cause a dust explosion. See Safety Data Sheet. This product has been produced in accordance with all relevant EU legislation and in compliance with the required EU standards for food safety and hygiene.

Chemical and Physical Properties

	Min	Max	Unit
Moisture as packed		15.0	%
pH 20% aqueous suspension	4.5	7.0	-
MVA Viscosity End	350	650	MVU

Physical Appearance	Typical
Colour	white / creamy
Form	fine powder

Microbiological Limits

	Max	Unit
TVC	10000	cfu / g
Yeast	200	cfu / g
Mould	200	cfu / g
E. coli	negative	/ g
Salmonella	negative	/ 25g

Additional Information

Contaminants:	Complies	with	Regulation	(EU)
2023/915				

Pesticides: Complies with Regulation (EC) 396/2005, as amended

Kosher Certificate	Yes
Halal Certificate	Yes
Sulfur Dioxide (SO2):	typical < 10 ppm

Legal Use Restriction E1442 products are not authorised for use in Category 13.1.3 Processed cerealbased foods and baby foods for infants and young children (defined by Directive 2006/125/EC), as per PART E of Regulation (EC) No 1333/2008.

Nutritional Data / 100 g

While this information is typical of the product it should not be considered a specification

	Typical	Unit
Energy	1506	kJ
	354	kcal
Fat	0	g
of which saturates	0	g
Carbohydrates	88.5	g
of which sugar	0	g
Fibre	0	g
Protein	0.1	g
Salt	0.42	g

Heavy Metals

	Typical	Unit
Arsenic	I	ppm
Lead	0.2	ррт
Cadmium	0.1	ррт
Mercury	0.1	ppm

Next Review: 2028 The information described above is offered solely for your consideration, investigation, and independent verification. It is up to you to decide whether and how to use this information. Ingredion Incorporated and the Ingredion group of companies make no warranty about the accuracy or completeness of the information contained above or the suitability of any of their products for your specific intended use. Furthermore, all express or implied warranties of noninfringement, merchantability, or fitness for a particular purpose are hereby disclaimed. Ingredion Incorporated and the Ingredion group of companies assume no responsibility for any liability or damages arising out of or relating to any of the foregoing. The INGREDION mark and logo are trademarks of the Ingredion group of companies. All rights reserved. All contents copyright © 2025



This document is issued on behalf of the Ingredion EMEA Company which is supplying the product. The Ingredion EMEA Companies are part of the Ingredion group of companies. The respective details of each of the Ingredion EMEA Companies are as follows:

Ingredion UK Limited Ingredion House, Manchester Green 339 Styal Road Manchester M22 SLW England

P: +44 (0) 161 435 3200 F: +44 (0) 161 435 3300

Registered in England No. 07315745

Ingredion Middle East Branch Office 03B Dubai Dubai Biotechnology and Research Park Dubai United Arab Emirates

P: +971 44 53 4288

Effective Date 10.02.2025

Ingredion Germany GmbH Grüner Deich 110 20097 Hamburg Germany

P: +49 (0) 40 23 91 50 F: +49 (0) 40 23 91 51 70

Amtsgericht Hamburg HRB 105432

Kenya Ingredion Holding LLC 5th Floor-Tulip House Mombasa Road P.O Box 1952-00606 Nairobi Kenya

P: +254 20 36 28 000

Ingredion South Africa (Pty) Ltd Infinity Office Park, Suite 6, Block C, 2 Robin Close, Meyersdal, 1448, Gauteng South Africa

P: +27 (0) || 867 9260 F: +27 (0) || 867 9271

Registration number 2010/013219/07

Rafhan Maize Products Co. Ltd. Rakh Canal East Road PO Box 62 Faisalabad 38060 Punjab Pakistan

P: 92-41-854-0121 F: 92-41-871-1016

The information described above is offered solely for your consideration, investigation, and independent verification. It is up to you to decide whether and how to use this information. Ingredion Incorporated and the Ingredion group of companies make no warranty about the accuracy or completeness of the information contained above or the suitability of any of their products for your specific intended use. Furthermore, all express or implied warranties of noninfringement, merchantability, or fitness for a particular purpose are hereby disclaimed. Ingredion Incorporated and the Ingredion group of companies assume no responsibility for any liability or danages arising out of or relating to any of the foregoing. The INGREDION mark and logo are trademarks of the Ingredion group of companies. All rights reserved. All contents copyright © 2025

Next Review: 2028