
Product: TI4015F

Polypropylene Copolymer

SECTION I – FOOD CONTACT COMPLIANCE

Reviewed on 26 March, 2025

FOOD CONTACT: EUROPE

This product meets the applicable requirements for intermediate materials (e.g. plastic powders, plastic granules or plastic flakes) intended to come into contact with food listed in **EU Regulation 1935/2004** (Framework Regulation). In addition, this product is manufactured under the relevant requirements of good manufacturing practices (GMP) applicable to intermediate materials established by **EU Regulation No 2023/2006** (GMP Regulation). Finally, this product complies with relevant requirements in **EU Regulation 10/2011 and all amendments up to EU Regulation 2025/351** (Plastics Regulation) for intermediate materials.

All monomers and additives used in this product are listed in the Union List of Authorized Substances of aforesaid Regulation. This product contains substances which have either Specific Migration Limit (SML) and/or Total Specific Migration Limit (SML(T)) and/or QM (residual quantity) and/or a QMA (residual content per food contact surface area) as defined in **Tables 1-3 of Annex I of EC 10/2011**.

Dual Use Additives

This product contains chemical substances listed on **Regulation (EC) 10/2011**: plastic materials and articles intended to come into contact with food as well as on **Regulation (EC) No 1333/2008**: Food Additives and/or **Regulation (EU) No 1334/2008**: Flavourings and certain food ingredients with flavouring properties for use in and on foods, and therefore are considered dual use additives.

Food Type Restrictions

This product can be used in contact with all food types and has no restrictions for the temperature and time of contact during processing and/or storage.

In order to complete the food contact compliance according to this Regulation, the final finished food contact article must be analyzed by the final article manufacturer to comply with maximum usage level, SML and/or SML(T) and/or QM and/or QMA as well as the overall migration (OML) (less than 10 mg/dm²). The manufacturer also needs to comply with any other restrictions or specifications of the aforementioned substances.

It's the responsibility of the final food contact article manufacturer to determine the technical suitability of this product and the intended use.

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FOOD CONTACT: MERCOSUR

This product meets with the relevant requirements of the resolutions **GMC n. 03/92** - General provisions for food contact materials and **GMC n. 56/92** ⁽²⁾ - General provisions for plastic materials, published by MERCOSUR.

All monomers, additives and adjuvants used in the formulation of this product are listed in the Positive List of the following Resolutions:

MERCOSUR	Subject
GMC n. 02/12 ⁽³⁾	Positive list of polymers and resins for food packaging and equipment
GMC n. 39/19 ⁽⁴⁾	Positive List of additives for the preparation of plastic materials and polymeric coatings for food contact

(2) As amended up to GMC/RES N. 20/21

(3) As amended up to GMC/RES N. 28/24

(4) As amended up to GMC/RES N. 22/24

This product contains monomers and/or substances with specific migration limit (SML) and/or a total specific migration limit (SML(T)) and/or a QM (residual quantity) and/or a QMA (residual content per food contact surface area).

Food Type Restrictions

This product can be used in contact with all food types and has no restrictions for the temperature and time of contact during processing and/or storage.

In order to complete the food contact compliance according to the Resolutions mentioned above, the final article must be tested by the manufacturer to determine the total migration limit (must be less than 60 mg/kg or 10 mg/dm²). It must also satisfy any other restrictions or specifications of the aforementioned substances.

It's the responsibility of the final food contact article manufacturer to determine the technical suitability of this product for the intended use.

It is the sole responsibility of the Purchaser of this Product to verify whether the Mercosur legislation was incorporated by each member country into their domestic laws.

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FOOD CONTACT: UNITED STATES (FDA - Food and Drug Administration)

The basic resin of this product meets the requirements of the U.S. Food and Drug Administration as a Food Contact Substance under Food Contact Notification No. 486 (effective April 15, 2005), which can be found at: <https://www.cfsanappsexternal.fda.gov/scripts/fdcc/?set=FCN&id=486>.

The adjuvant substances in this product meet the requirements of 21 CFR 177.1520(b).

This product satisfies the requirements for all Food Types and Conditions of Use A-H as described in 21 CFR 176.170(c) Tables 1 and 2 (found at: <https://www.fda.gov/food/packaging-food-contact-substances-fcs/food-types-conditions-use-food-contact-substances>), respectively.

The uses cited above are subject to Good Manufacturing Practices and any other conditions that are part of the applicable regulations.

FOOD CONTACT: CANADA

This product was assessed by Health Canada and a "Letter Of No Objection" (LONO) has been issued and therefore is listed in Health Canada's Listing of Acceptable Polymers for use in Food Packaging Applications.

This product is restricted to use in food contact applications at temperatures not exceeding 121°C (250°F) (HPFB8).

FOOD CONTACT: UNITED KINGDOM

Please contact Braskem for further information.

FOOD CONTACT: SWITZERLAND

Please contact Braskem for further information.

FOOD CONTACT: JAPAN

Please contact Braskem for further information.

SECTION II – GLOBAL REGULATORY INFORMATION

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CHEMICAL INVENTORIES

Inventory status of substances used in this product:

Chemical Inventories		
Country	Inventory Name	Listed/Exempt
Australia	AICS	YES
Canada	DSL	YES
	NDSL	NO
China	IECSC	YES
Europe	EINECS, ELINCS or REACH	YES
Japan	ENCS	YES
	ISHL	YES
Korea	KECI	YES
New Zealand	NZIoC	YES
Philippines	PICCS	YES
Taiwan	TCSI	YES
Thailand	TECI	YES
USA	TSCA	*

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*All components of this product are listed as active on the TSCA Inventory or exempt.

Foreign purchasers or exporters of this product should consult the appropriate local governing authority to verify that there are not regulatory requirements that would prohibit or restrict the import of this product into the applicable country.

US DRUG MASTER FILE (US-DMF)

This product is not listed in a USA Food and Drug Administration Drug Master File (DMF-US).

CANADIAN DRUG MASTER FILE (CA-DMF)

This product is not listed in a Canadian Drug Master File (CA-DMF).

PLANT-DERIVED SUBSTANCES

This product may contain additives and/or monomers derived from plants and/or its parts.

This product can contain additives derived from PALM.

This product can contain additives derived from SOYBEAN.

GENETICALLY MODIFIED ORGANISMS (GMO)

This product contains one or more substance(s) that may be derived from genetically modified plants. As this(ese) substance(s) is(are) highly processed and derived from refined oil, detectable levels of genetically modified DNA or protein are not expected in this product. However, Braskem does not test for these substances.

ALLERGENS

Additives containing allergens listed on Annex II of Regulation (EU) No 1169/2011 and below are not intentionally added to this product:

1. Cereals containing gluten, namely: wheat, rye, barley, oats, spelt, kamut or their hybridized strains, and products thereof.
2. Crustaceans and products thereof.

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- 3. Eggs and products thereof.
- 4. Fish and products thereof.
- 5. Peanuts and products thereof.
- 6. Milk and products thereof (including lactose).
- 7. Nuts, namely: almonds (*Amygdalus communis* L.), hazelnuts (*Corylus avellana*), walnuts (*Juglans regia*), cashews (*Anacardium occidentale*), pecan nuts (*Carya illinoensis* (Wangenh.) K. Koch), Brazil nuts (*Bertholletia excelsa*), pistachio nuts (*Pistacia vera*), macadamia or Queensland nuts (*Macadamia ternifolia*), and products thereof.
- 8. Celery and products thereof.
- 9. Mustard and products thereof.
- 10. Sesame seeds and products thereof.
- 11. Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/L.
- 12. Lupin and products thereof.
- 13. Mollusks and products thereof.

This product contains substances derived from soybeans.

However, the substance derived from soybean used in this product is exempt from being considered an Allergen by Regulation (EU) No 1169/2011 (ANNEX II) since it is derived from fully refined oil and fat. The substance is also exempt from soy allergen labeling as instructed in the U.S. Food and Drug Administration (FDA) Food Allergen Labeling and Consumer Protection Act of 2004 and by Health Canada's Position on Highly Refined Oils modified in September 2013.

ANIMAL-DERIVED SUBSTANCES

Additives derived from animal sources are not intentionally added in this product.

CHILDRENS SAFETY

Toys – European Legislation

This product was not assessed under Directive 2009/48/EC – Safety of Toys.

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This product has not been tested and assessed according to the European Standard EN 71-3:2019+A1:2021 - Requirements and test methods for the migration of aluminum, antimony, arsenic, barium, boron, cadmium, chromium (III), chromium (VI), cobalt, copper, lead, manganese, mercury, nickel, selenium, strontium, tin, organic tin and zinc from toy materials and from parts of toys.

This product has not been tested and assessed according to the European Standard EN71-9: Safety Of Toys - Part 9: Organic chemical compounds - Requirements

United States - Consumer Product Safety Improvement Act of 2008, P.L. 110-314

With regards to the Consumer Product Safety Improvement Act of 2008, P.L. 110-314 (the "Act"), this product does not contain the following substances:

- Lead at or above the limit of 100 parts per million specified in Section 101(a)(2)(C) of the Act; and
- Phthalates at or above the limit of 0.1% (1000 ppm) specified in Section 108(a) and (b) of the Act.

However, it remains to the final manufacturer of the finished toy article to ensure that the limitations described in this act are met.

State of Washington Children's Safe Product Act (CSPA)

Braskem does not intentionally add any raw materials containing any of the 85 chemicals of high concern found on the "CHCC List" in concentrations above 100 ppm. More specifically:

- This product does not contain lead or cadmium in quantities greater than 0.004 % by weight
- This product does not contain phthalates in quantities greater than 0.1 % by weight or above the designated PQL.

However, it remains to the final manufacturer of the finished toy article to ensure that the limitations described in this act are met.

This product, as manufactured and distributed by Braskem, is not a children's product, children's toy, childcare article, or consumer product. For that reason, it remains to the final manufacturer to ensure the suitability of this product for toys or other children's articles.

This product, as manufactured and distributed by Braskem, is not a children's product, children's toy, child care article, or consumer product. For that reason, it remains to the final manufacturer to ensure the suitability of this product for toys or other children's articles.

KOSHER CERTIFICATION

This product is not Kosher certified.

HALAL CERTIFICATION

This product is not HALAL certified.

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EU REACH - Registration, Evaluation, Authorization and Restriction of Chemicals

This product is not intentionally manufactured or formulated with any substance listed on the following REACH sections:

- ANNEX XIV - List of Substances Subject to Authorization of Regulation (EC) No 1907/2006 of the European Parliament And of the Council from 18 December 2006, and its amendments.
- ANNEX XVII -Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Mixtures and Articles of Regulation (EC) No 1907/2006 of the European Parliament And of the Council from 18 December 2006, and its amendments.
- Candidate List of Substances of Very High Concern (SVHC), in compliance with the most updated review disclosed on the SVHC Declaration, offered at <https://www.braskem.com.br/reach-en>.

CONFLICT MINERALS: Regulation 2017/821 (EU); US Dodd-Frank Consumer Protection Act

Braskem does not purchase raw materials from areas of conflict such as Democratic Republic of the Congo or adjoining country. In addition, Braskem products are not intentionally produced with cassiterite (for tin), wolframite (for tungsten), coltan (for tantalum), and gold.

CALIFORNIA PROPOSITION 65

As set forth in the latest Proposition 65 chemicals listing dated January 3, 2025, this product may contain the following impurity/impurities:

WARNING: This product can expose you to ethylene oxide which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING: This product can expose you to 1,4-Dioxane which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

WARNING: This product can expose you to n-hexane which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Each company that sells its products in California is responsible for determining the status of its own products under Prop 65 and developing its own regulatory plan. Braskem makes no representation or warranty in that regard.

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UL CERTIFICATION

Braskem holds no UL certifications for this product.

NSF INTERNATIONAL CERTIFICATION

Currently Braskem holds no NSF certifications for this product.

SUBSTANCE OF INTEREST INFORMATION

PHthalATES

Braskem does not intentionally add phthalate additives or plasticizers in the manufacture of this product; however, this product may contain trace levels of phthalates from the polymerization.

Braskem does not routinely test for these substances in our product.

For more specific information, please contact Braskem at the contact information provided at the end of this document.

PLASTICIZERS

Plasticizers such as sebacates, adipates, terephthalates, dibenzoates, glutarates, azelates, epoxidized soybean oil (ESBO) are not intentionally added to this product.

For the presence of phthalates in this product, please see the PHTHALATE section in this document.

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RESTRICTION OF HAZARDOUS SUBSTANCES - RoHS

This product does not contain/contains less than the maximum levels of the following restricted substances which are listed in Directive 2002/95/EC (RoHS 1), Directive 2011/65/EU (RoHS 2) as amended by Directive 2017/2102/EU and Directive 2019/1846/EU and Directive 2015/863/EU (RoHS 3):

- Lead (Pb): < 1000 ppm
- Mercury (Hg): < 100 ppm
- Cadmium (Cd): < 100 ppm
- Hexavalent Chromium: (Cr VI) < 1000 ppm
- Polybrominated Biphenyls (PBB): < 1000 ppm
- Polybrominated Diphenyl Ethers (PBDE): < 1000 ppm
- Bis(2-Ethylhexyl) phthalate (DEHP): < 1000 ppm
- Benzyl butyl phthalate (BBP): < 1000 ppm
- Dibutyl phthalate (DBP): < 1000 ppm
- Diisobutyl phthalate (DIBP): < 1000 ppm

Braskem does not test for these specific substances.

ORGANOTIN COMPOUNDS

Organotin compounds, including mono, di or trialkyl tins, tributyl tin oxide, triphenyl tin, trialkyl tin, triaryl tin, are not intentionally added during the manufacturing process of this product. Therefore, the following substances are not expected to be present in this product:

Organotin sub type	CAS Number	Organotin sub type	CAS Number
Dibutyltin (DBT)	1002-53-5	Tetrabutyltin (TTBT/TEBT)	1461-25-2
Diphenyltin (DPHT)	1011-95-6	Tributyltin (TBT)	688-73-3
Dioctyltin (DOT)	15231-44-4	Tricyclohexyltin (TCYT)	3047-10-7
Monobutyltin (MBT)	78763-54-9	Triphenyltin hydride (TPHT)	892-20-6
Monooctyltin (MOT)	15231-57-9		

Braskem does not test for these specific substances.

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BISPHENOLS

Braskem does not intentionally add or use the following bisphenol compounds during the manufacturing of this product.

Bisphenol Compounds / Bisphenol Derivatives	CAS Number
1(3H)-Isobenzofuranone, 3,3-bis(4-hydroxyphenyl)- (9CI, ACI)	77-09-8
Benzenepropanoic acid, 3-(1,1-dimethylethyl)-β-[3-(1,1-dimethylethyl)-4-hydroxyphenyl]-4-hydroxy-β-methyl-, 1,1'-(1,2-ethanediyl) ester (ACI)	32509-66-3
Benzophenone 2	131-55-5
Bisphenol A, BPA	80-05-7
Bisphenol B, BPB	77-40-7
Bisphenol F, BPF	620-92-8
Bisphenol S, BPS	80-09-1
Bisphenol AF (BPAF)	1478-61-1
Bisphenol-A-diglycidyl ether, BADGE	1675-54-3
Bisphenol-F-diglycidyl ether, BFDGE	2095-03-6
Diphenolic acid	126-00-1
Methanone, bis(4-hydroxyphenyl)- (9CI, ACI)	611-99-4
Novolac Glycidyl Ethers, NOGE	158163-01-0
Phenol, 4,4',4''-(1-methyl-1-propanyl-3-ylidene)tris[2-(1,1-dimethylethyl)-5-methyl- (9CI, ACI)	1843-03-4
Phenol, 4,4',4''-ethylidynetris- (9CI, ACI)	27955-94-8
Phenol, 4,4'-butylidenebis[2-(1,1-dimethylethyl)-5-methyl- (9CI, ACI)	85-60-9
Phenol, 4,4'-methylenebis[2,6-bis(1,1-dimethylethyl)- (9CI, ACI)	118-82-1
Phenol, 4,4'-thiobis[2-(1,1-dimethylethyl)-5-methyl- (9CI, ACI)	96-69-5
Phloretol	60-82-2
Tetrabromobisphenol A	79-94-7

9CI - Chemical name based on the naming rules established in the 9th Collective Index of Chemical Abstracts

ACI" - Chemical Abstracts Index name

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In accordance with **Regulation EC 1895/2005** on the restriction of use of certain epoxy derivatives in materials and articles intended to come into contact with food, Braskem does not intentionally add or use during the manufacturing of this product Bisphenol-F-diglycidyl ether (BFDGE, CAS 2095-03-6), Bisphenol-A-diglycidyl ether (BADGE, CAS 1675-54-3), and Novolac Glycidyl Ethers (NOGE, CAS 158163-01-0).

In accordance with Regulation **EU 2024/3190** on the use of Bisphenol A (BPA) and other bisphenols and bisphenol derivatives with harmonized classification for specific hazardous properties in certain materials and articles intended to come into contact with food, Braskem does not intentionally add or use during the manufacturing of this product Bisphenol A (BPA, (CAS 80-05-7) and its salts nor other hazardous bisphenols or hazardous bisphenol derivatives that are listed in Regulation (EC) No 1272/2008, Part 3, Annex VI due to their harmonized classification as category 1A or 1B "mutagenic," "carcinogenic," "toxic to reproduction" or category 1 "endocrine disrupting" for human health.

Braskem does not test for these specific substances.

Global Automotive Declarable Substance List (GADSL)

Braskem does not intentionally add any of the chemicals listed as Declarable or Prohibited on the Global Automotive Declarable Substance List (revised on February 1st, 2025) at or above 0.1%.

LATEX

Natural rubber latex (NRL), dry natural rubber (DRL), synthetic latex or rubber that contains natural rubber are not intentionally added to the process or to this product.

Braskem does not test for these specific substances.

DYES OR PIGMENTS

This product is not manufactured or formulated with carbon black, dyes, inks or pigments, including azocolorants and azodyes.

ALKYLPHENOLS & ALKYLPHENOL ETHOXYLATES

Braskem does not intentionally add alkylphenol ethoxylates to this product, including nonylphenol ethoxylates and octylphenol ethoxylates.

Braskem also does not add the following substituted phenols to this product:

- Nonylphenol (CAS # 25154-52-3)
- Tris(nonylphenyl)phosphite (TNPP, CAS # 26523-78-4)

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- Di(nonylphenyl)phenylphosphite (DNPP, CAS # 25417-08-7)

Braskem does not test for these specific substances.

Polypropylene and polyethylene manufacturers, including Braskem, do add sterically hindered phenols or derivatives as antioxidants to their products, which are technically alkyl phenols. Accordingly, these antioxidants are approved as indirect food contact additives and are used by Braskem in accordance with global food contact regulations.

POLYCYCLIC AROMATIC HYDROCARBONS (PAH)

Braskem does not intentionally add or use any of the following Polycyclic Aromatic Hydrocarbons (PAH) during the manufacturing of this product:

PAH Type	CAS Number	PAH Type	CAS Number
9H-Fluorene	86-73-7	Benzo(j)fluoranthene	205-82-3
Acenaphthene	83-32-9	Benzo(k)fluoranthene	207-08-9
Acenaphthylene	208-96-8	Chrysene	218-01-9
Anthracene	120-12-7	Dibenzo(ah)anthracene	53-70-3
Benzo(a)anthracene	56-55-3	Indeno(1,2,3-cd)pyrene	193-39-5
Benzo(a)pyrene	50-32-8	Fluorene	86-73-7
Benzo(b)fluoranthene	205-99-2	Fluoranthene	206-44-0
Benzo(e)pyrene	192-97-2	Naphthalene	91-20-3
Benzo(ghi)perylene	191-24-2	Pyrene	129-00-0
		Phenanthrene	85-01-8

Braskem does not test for these specific substances.

PER- AND POLYFLUORINATED SUBSTANCES (PFAS)

Braskem does not intentionally add or use the following substances during the manufacture of this product:

- Per- and poly-fluoroalkyl substances (PFAS), including PFOA (perfluorooctanoic acid, CAS 335-67-1) and PFOS (perfluorooctane sulfonates, CAS 1763-23-1), PFHxA (undecafluorohexanoic acid, CAS 307-24-4) and PFHxA-related substances and salts.

Braskem does not analyze for these specific substances.

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PERSISTANT ORGANIC POLLUTANTS (POPs)

Braskem meets the provisions of Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 and its amendments up to Regulation (EU) 2024/2570 of 27 September 2024 on persistent organic pollutants.

Braskem does not intentionally add or use persistent organic pollutants (POPs) during the manufacture of this product.

Braskem does not test for these specific substances.

METALS

During the manufacture of this product, Braskem does not intentionally add any of the following metals above 0.01%:

Chemical Name	CAS Number	Chemical Name	CAS Number
Antimony	7440-36-0	Lead	7439-92-1
Arsenic	7440-38-2	Mercury	7439-97-6
Barium	7440-39-3	Molybdenum	7439-98-7
Beryllium	7440-41-7	Nickel	7440-02-0
Cadmium	7440-43-9	Palladium	7440-05-3
Chromium	7440-47-3	Selenium	7782-49-2
Cobalt	7440-48-4	Silver	7440-22-4
Copper	7440-50-8	Tantalum	7440-25-7
Gold	7440-57-5	Thallium	7440-28-0
Hexavalent chromium	18540-29-9	Tin	7440-31-5
		Vanadium	7440-62-2

However, since this product is produced with processing equipment made of steel, there could be traces of iron, chromium and nickel in the polymer.

Braskem does not test for these specific substances.

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Coalition of Northeastern Governors (CONEG)

The sum of the concentration levels of incidentally introduced lead, cadmium, mercury and hexavalent chromium is not greater than 100 parts per million.

European Directive 94/62/EC: Packaging and Packaging Waste

This product does not contain incidental levels of lead, mercury, cadmium or hexavalent chromium greater than 100 parts per million (ppm). This product is potentially recyclable as described in European Directive 94/62/EC.

OZONE DEPLETING SUBSTANCES

This product is not manufactured with any of US EPA's Class I or Class II Ozone Depleting Chemicals (ODC) or the ODCs listed under the Montreal Protocol or the Ozone Depleting Substances listed in Annexes I & II of Regulation (EU) 2024/590 of 7 February 2024.

Braskem does not test for these specific substances.

NANOMATERIALS

Nanomaterials, as defined by EC 2022/C 229/01, means natural, incidental, or manufactured material consisting of solid particles that are present, either on their own or as identifiable constituent particles in aggregates or agglomerates, and where 50% or more of these particles in the number-based size distribution fulfil at least one of the following conditions:

- a) one or more external dimensions of the particle are in the size range 1 nm to 100 nm;
- b) the particle has an elongated shape, such as a rod, fiber or tube, where two external dimensions are smaller than 1 nm and the other dimension is larger than 100 nm;
- c) the particle has a plate-like shape, where one external dimension is smaller than 1 nm and the other dimensions are larger than 100 nm

Based on the above definition, nanomaterials are not intentionally added to this product.

Braskem does not analyze for this/these specific substance(s).

BIOCIDES

Braskem does not intentionally add or use during the manufacture of this product substances intended to act as biocides for technical purposes. This includes pesticides, herbicides, insecticides, fungicides, bactericides, and other fumigants, including Kathon CG (a combination of methylchloroisothiazolinone and methylisothiazolinone) and Kepone (chlordecone).

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MINERAL OILS

Braskem does not intentionally add or use Mineral Oil Aromatic Hydrocarbons (MOAH) during the manufacture of this product. However, Mineral Oil Saturated Hydrocarbons (MOSH) are indeed used during the manufacture of this product. These MOSH comply with EC 10/2011 food contact requirements either by being a FCM Substance No 95 or through the completion of a safety assessment per Article 19 of the regulation.

Braskem does not test for these specific substances.

OXO DEGRADABLE ADDITIVES

Directive (EU) 2019/904 of the European Parliament and of the Council (5th June 2019) addresses the reduction of the impact of certain plastic products on the environment. This Directive applies to the single-use plastic products, to products made from oxo degradable plastic, and to fishing gear containing plastic. This product is not manufactured with any oxo degradable additives, which, through oxidation, lead to the fragmentation of the plastic material into micro-fragments or to chemical decomposition as defined in the regulation.

ACTIVE AND INTELLIGENT MATERIALS

Braskem does not intentionally add or use active and intelligent additives as defined in the Commission Regulation (EC) No 450/2009 of 29 May 2009 on active and intelligent materials and articles intended to come into contact with food during the manufacture of its polypropylene resins.

POLYOLEFIN OLIGOMERIC SATURATED HYDROCARBONS (POSH)

Braskem does not intentionally add or use Polyolefin Oligomeric Saturated Hydrocarbons (POSH) during the manufacture of this product.

Braskem does not test for these specific substances.

ENDOCRINE DISRUPTORS

Braskem does not intentionally add or use during the manufacture of this product substances considered Endocrine Disruptors or Under Assessment as an Endocrine Disruptor, as defined in the "Endocrine disruptor assessment list," published by ECHA at <https://echa.europa.eu/ed-assessment>, as updated on July 05, 2024, or as defined by "The ED Lists" at <https://edlists.org/the-ed-lists>, as updated June 2024, at or above levels of 0.01%.

Braskem does not test for these specific substances.

NON-RECYCLED PRODUCT

Commission Regulation (EU) 2022/1616 of 15 September 2022 on recycled plastic materials and articles intended to come into contact with foods, and repealing Regulation (EC) No 282/2008 came into effect in October 2022.

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This regulation is not applicable to this product which does not contain mechanically recycled plastic.

OTHER SUBSTANCES OF INTEREST

Braskem does not intentionally add or use any of the following substances during the manufacturing of this product. Braskem does not test for these specific substances.

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CAS #	Chemical Name
71-55-6	1,1,1-Trichloroethane
79-34-5	1,1,2,2-Tetrachloroethane
79-00-5	1,1,2-Trichloroethane
107-06-2	1,2-Dichloroethane
3846-71-7	2-(2-Hydroxy-3,5-di-tert-butylphenyl) benzotriazole
1746-01-6	2,3,7 8-Tetrachlorodibenzo-para-dioxin
1675-54-3	2,2-bis(4-hydroxyphenyl) propane bis(2,3-epoxypropyl) ether (BADGE)
584-84-9; 91-08-7	2,4 and/or 2,6-Toluene diisocyanate
732-26-3	2,4,6-tris(tert-butyl) phenol
75-26-3	2-Bromopropane
110-80-5;111-15-9	2-Ethoxyethanol and 2-Ethoxyethanol acetate
9089-47-5	2-Ethoxy-1-propanol (β-isomer)
103-11-7	2-Ethyl hexyl acrylate (2-EHA)
107-98-2	2-Methoxy-1-propanol
109-86-4	2-Methoxyethanol
110-49-6	2-Methoxyethanol acetate
91-59-8	2-Naphtylamine + salts
92-67-1	4-Aminodiphenyl
92-93-3	4-Nitrobiphenyl +salts
99-99-0	4-Nitrotoluene
90-94-8	4,4-Tetramethyldiamino benzophenone (Michler's Ketone)
1806-26-4	4-octyl phenol
77-90-7	Acetyltributylcitrate
79-06-1	Acrylamide
309-00-2	Aldrin
92-67-1	Aminobiphenyl (4-) + salts
1309-64-4	Antimony trioxide
1332-21-4	Asbestos
123-77-3	Azodicarbonamide (ADC)
n/a	Azo compounds

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68608-77-5	Benzenamine, 2-ethyl-N-(2-ethylphenyl)-,(tripropenyl) derivs.
15721-78-5	Benzenamine, 4-(1,1,3,3-tetramethylbutyl)-N-[4-(1,1,3,3-tetramethylbutyl)phenyl]-
10081-67-1	Benzenamine, 4-(1-methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]-
24925-59-5	Benzenamine, 4-nonyl-N-(4-nonylphenyl)-
101-67-7	Benzenamine, 4-octyl-N-(4-octylphenyl)-
4175-37-5	Benzenamine, 4-octyl-N-phenyl-
36878-20-3	Benzenamine, ar-nonyl-N-(nonylphenyl)-
27177-41-9	Benzenamine, ar-nonyl-N-phenyl-
26603-23-6	Benzenamine, ar-octyl-N-(octylphenyl)-
68608-79-7	Benzenamine, N-phenyl-, (tripropenyl) derivs.
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
184378-08-3	Benzenamine, N-phenyl-, reaction products with isobutylene and 2,4,4-trimethylpentene
68442-68-2	Benzenamine, N-phenyl-, styrenated
92-87-5	Benzidine (+ salts)
2634-33-5	Benzothiazolinone (BIT)
542-88-1	Bis(chloromethyl)ether (BCME)
n/a	(Poly)Brominated flame retardants (e.g. Polybrominated compounds, such as: Polybrominated biphenyl (PBB), Polybrominated biphenyl oxide (PBBO), Polybrominated diphenyl, Polybrominated diphenylethers, Polybrominated terphenyls, Penta-bromodiphenyl ether-PBDE).
7726-95-6, 24959-67-9	Bromide/Bromine
2426-08-6	Butylglycidylether (BGE)
25013-16-5	Butylated hydroxyanisole (BHA)
9004-35-7	Cellulose acetate
n/a	Ceramic fibers
7782-50-5	Chlorine
57-74-9	Chlordane
63449-39-8	Chlorinated paraffin
59-50-7	Chlorocresol (meta-) and (ortho-)
n/a	Chlorofluorocarbons (CFCs) and Hydrochlorofluorocarbons (HCFC), including HCFC 141 b (1,1-Dichloro-1-fluoroethane), HCFC 142 b (Chloro-1,1-difluoroethane) or HCFC 22 (Chlorodifluoromethane)

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67-66-3	Chloroform
26172-55-4	Chloromethylisothiazolinone (CIT)
7738-94-5	Chromic acid
8050-09-7	Colophony (rosin) and its derivatives
8001-58-9	Creosote
1163-19-5	Deca-bromodiphenylether (DBDE)
13560-89-9	Dechlorane A
61789-80-8	Dimethyl di(hydrogenated tallow) ammonium chloride (DHTDMAC)
431-03-8	Diacetyl
75-09-2	Dichloromethane
60-57-1	Dieldrin
68-12-2	Dimethylformamide
624-49-7	Dimethyl fumarate (DMF)
n/a	Difurans, Dioxins and Furans
72-20-8	Endrin
106-89-8	Epichlorohydrin
107-21-1	Ethylene glycol
50-00-0	Formaldehyde - not intentionally added, but a known thermal degradation product of polyolefins under extreme conditions
n/a	Fragrances
109-89-4; 110-49-6; 110-80-5; 110-71-4; 111-15-9; 111-96-6; 111-77-3; 112-49-2; 1589-47-5, 70657-70-4	Glycol ethers (EGME, EGMEA, EGDME, EGEE, EGEEA, EGDME, DEGME, DEGDME, TEGDME, 1PG2ME and 1PG2MEA)
76-44-8	Heptachlor
36355-01-8	Hexabromobiphenyls
25637-99-4	Hexabromocyclododecane (HBCDD)
3194-55-6	1,2,5,6,9,10-hexabromocyclododecaneHexabromocyclododecane
118-74-1	Hexachlorobenzene
58-89-9	Hexachlorocyclohexane

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87-68-3	Hexachlorobutadiene
822-06-0	Hexamethylene-1,6-diisocyanate
n/a	Hydrobromofluorocarbons (HBFCs)
n/a	Hydrochlorofluorocarbons
7664-39-3	Hydrofluoric acid (HF)
n/a	Hydrofluorocarbons (HFCs)
193-39-5	Indeno(1,2,3-cd)pyrene
138-86-3	Limonene
101-68-8; 9016-87-9	Methyl-di-p-phenylene isocyanate (MDI)
108-78-1; 37640-57-6	Melamine; Melamine Cyanuric acid
74-83-9	Methylbromide
71-55-6	Methylchloroform
2682-20-4	Methylisothiazolinone (MIT)
101-77-9	Methylenedianiline (4,4'-)
109-86-4	Methylglycol
2385-85-5	Mirex
104-51-8	N-butylbenzene
n/a	Nitrosamines / N-nitrosamines
n/a	Nitrosamides / N-nitrosamides
556-67-2	Octamethylcyclotetrasiloxane (D4)
29082-74-4	Octachlorostyrene
n/a	Organoarsenic compounds
90-04-0	Ortho-anisidine
n/a	Organophosphate flame retardants (e.g. TCPP, TCEP, TDCP, TDCPP)
27304-13-8	Oxy-Chlordane
99-76-3; 120-47-8; 94-13-3; 94-26-8	Parabens (Methylparaben, Ethylparaben, Propylparaben, Butylparaben)
133-49-3	Pentachlorothiophenol
68937-41-7	Phenol, isopropylated phosphate (3:1)
Phenyl-b-naphthylamine:135-88-6; PCP:956-90-1	Polychlorinated Bi-, Terphenyls and Naphthalenes (e.g. Pentachlorophenol [PCP], Phenyl-b-naphthylamine, Polychlorinatedbiphenyls [PCB], Polychlorinatednaphthalene [PCN] and Polychlorinatedterphenyls [PCT])

Regulatory Information Sheet (RIS)

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n/a	Radioactive Substances
9003-53-6	Polystyrene
25014-41-9	Polyacrylonitrile
9004-70-0	Pyroxylin (Nitrocellulose)
9002-86-2	PVC- Poly (vinyl chloride)
9002-85-1	PVDC - Poly (vinylidene chloride)
108-46-3	Resorcinol
57-56-7	Semicarbazide
85535-84-8	Short Chain Chlorinated Paraffins
7440-21-3	Silicon
63394-02-5; 63148-62-9	Silicone (silicone rubber, silicone oil)
7789-06-2	Strontium chromate
100-42-5	Styrene
7446-09-5	Sulfur dioxide
2551-62-4	Sulfur hexafluoride
1934-21-0	Tartrazine
1948-33-0	Tert -butyl hydroquinone (TBHQ, tertiary butylhydroquinone)
127-18-4	Tetrachloroethylene
117-08-8	Tetrachlorophthalicanhydride (TCPA)
62-56-6	Thiocarbamide
21564-17-0	Thiocyanic acid (2-benzothiazolythiomethylester) (TCMTB)
137-26-8	Thiram (TMTD)
n/a	Thiurams
17501-79-0	Titanium acetylacetonate (TAA)
106-49-0; 95-35-4	Toluidine (p- and o-)
8001-35-2	Toxaphene
39765-80-5	Trans-Nonachlor
n/a	Triaryl phosphates
79-01-6	Trichloroethylene
3380-34-5	Triclosan (polychlorophenoxyphenol)

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56090-54-1	Triglycerin
ITX: 5495-84-1; Titanyl-acetylacetone: 14024-64-7	UV-hardeners (e.g. ITX, Titanyl-acetylacetone)
75-34-5	Vinylidene chloride
12185-10-3	Yellow phosphorous

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Braskem Product Stewardship

UNITED STATES: us_compliance@braskem.com

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