Product Stewardship Information Sheet

Advanced Polypropylene Homopolymer PP H317

Product Manufacturer:

This product is manufactured by Advanced Petrochemical Company ('Advanced'), KSA.

Regulation (EU) No. 10/2011: Food Contact Applications

Polypropylene Homopolymer manufactured by 'Advanced' complies with Regulation (EU) No. 10/2011 (including Commission Regulation (EU) No 2025/351 and amendments as of date) for food contact applications.

The product also complies with Regulation 1935/2004/EC, Restriction of use of certain epoxy derivatives 1895/2005/EC, Absence of Allergens (Regulation 1169/2011) and Absence of GMO, absence of recycled materials as per definition of Regulation EU 2022/1616 (replacing EC 282/2008).

The product also complies with Regulation 2023/2006/EC (GMP) and to the compliance 'Advanced' has standards in place such as ISO 9001:2015 which regulates production and production related activities.

The product complies with relevant requirements of Regulation EU 10/2011 (PIM) and its subsequent amendments, applicable to intermediate materials (i.e., plastic powders, plastic granules or plastic flakes)
The monomer and additives used to produce the resin are also listed in EU Regulation No. 10/2011 and subsequent amendments.

EU Regulation 10/2011/EC specifies 10 mg/dm^2 as the maximum overall migration (OML) from the finished plastic food contact material or article. The OML and SMLs (when applicable) should be determined according to the requirements specified in EU Regulation 10/2011/EC and subsequent amendments. The OML and SML determinations are the responsibility of the manufacturer of the finished plastic food contact material or article. In addition, we remind you that the manufacturers of the finished food contact material or article must verify that the finished material or article, manufactured according to good manufacturing practices, does not modify the organoleptic properties of the food.

Dual Use Additives

Substances authorized as direct food additives ("Dual use additives") are used for the manufacturing of this product.

- E470a Sodium salts of fatty acids
- E470b Magnesium salts of fatty acids

Specific Migration Limit (SML) & Overall Migration Limit (OML)

This product does not contain substances that are regulated with 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 (including Commission Regulation (EU) No 2026/245, 2023/1442, 2023/1627) and subsequent amendments.

In particular, this product contains traces of below substances which is regulated with a specific migration limit in EU (Commission Regulation 10/2011; Annex I).

- 39815; 9,9-bis(methoxymethyl)-9H-fluorene; SML = 0.05mg/kg
- 39090; N,N-bis(2-hydroxyethyl)alkyl (C8-C18)amine; SML(T) = 1.2 mg/kg
- 39120; N,N-bis(2-hydroxyethyl)alkyl (C8-C18)amine hydrochlorides; SML(T) = 1.2 mg/kg (Expressed as tertiary amine excluding HCl)

Migration tests showed a migration level significantly below the SML, thus exceeding this SML under foreseeable conditions of use involving food contact is not expected.

This product may contain minor trace levels of other metals, which are regulated with a specific migration limit in EU

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(Commission Regulation 10/2011 as amended; Annex II). These metals are not intentionally added but may be present as impurity of the raw materials used. Migration tests on representative polyolefin samples showed a migration level below the SMLs, thus exceeding these SMLs under foreseeable conditions of use involving food contact is not reasonably expected.

SML = 1 mg/kg (expressed as Aluminum)

EU Regulation 10/ 2011 which applies to all EU Member States, specify 10 mg/dm^2 as the maximum overall migration from finished plastic food contact articles. OML and SML determinations are the responsibility of the manufacturer of finished plastic food contact material or article.

In accordance with EU Regulation No. 10/ 2011, the migration should be measured using the actual foodstuff or the appropriate food stimulants at the real time/temperature conditions of use, according to the rules specified in EU Directives 97/48/EC (amending 82/711/EC) and 85/572/EC.

We remind you that the users must verify that the finished items, manufactured according to good manufacturing practice, must not modify the organoleptic properties of the food.

Annex IV, Part 6 – Genotoxicity

In accordance with the requirements of Regulation 10/2011/EC (PIM), Annex IV, part 6, this product does not contain genotoxic substances which would migrate from a final material at a level exceeding 0.15 ppb in food or food simulant.

RoHS Directives 2002/95/EC, 2011/65/EU, 2015/863/EU and Commission Delegated Directive (EU) 2024/1416 and related restrictions

RoHS Regulation refers to electrical and electronic equipment and not specifically to plastic raw materials. However, based on the available documentation from raw materials suppliers, this product complies with the requirements of the Directives 2002/95/EC (ROHS 1), 2011/65/EU (RoHS 2), 2015/863/EU (RoHS 3 [amending Annex II to Directive 2011/65/EU]) and Commission Delegated Directive 2024/1416, concerning the limits of cadmium, lead, mercury, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), bis(2-ethylhexyl)phthalate (DEHP), butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and diisobutyl phthalate (DIBP).

Waste Electrical and Electronic Equipment (WEEE) – Directive 2012/19/EU – Annex VII

The chemical substances (PCB, PCT, Hg, asbestos, CFC, HCFC, HFC, ceramic fibers, brominated flame retardants) requiring selective waste treatment are not used in the manufacture or formulation of this product. However, the product has not been tested for these chemical substances.

Product Metal Content

Regulation (EU) No. 2025/40: Packaging and packaging waste (PPWR)

Based on the available documentation from raw materials suppliers, this product complies with Regulation (EU) 2025/40 (replacing Directive 94/62/EC) and its amendments in force. Cadmium, chromium (VI), lead and mercury are not used in the manufacture of or the formulation of the product. The product meets the year 2001 requirements of less than 100 ppm for total incidental cadmium, chromium (VI), lead and mercury. In addition, the product has the potential to be recycled according to these requirements.

US Coalition of Northeastern Governors (CONEG)

Based on the available documentation provided by our raw material suppliers, this product complies with the CONEG Model Legislation for requirements regarding the defined limit for the sum of heavy metals (lead, mercury, cadmium and hexavalent chromium), of less than 100 ppm for total incidental presence.

End of Life Vehicle

To the best of our knowledge, based on the available documentation from raw materials suppliers, we deem that this product complies with the directive 2000/53/EC and its following amendments as concerns the defined limit(s) of heavy metals.

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Heavy Metals Testing
Testing of resins similar to this product has shown the following metals are not present at the sensitivities listed in parenthesis: antimony(3 ppm), arsenic(2 ppm), barium(2 ppm), cadmium(1 ppm), chromium(1 ppm), lead(2 ppm), mercury(0.01 ppm), selenium(3 ppm), silver(1 ppm).

Other substances and chemicals

Nanomaterials
Nanomaterials (defined as a natural, incidental or manufactured material, containing particles, in an unbound state or as an aggregate or as an agglomerate and where, for 50 % or more of the particles in the number size distribution, one or more external dimensions is in the size range 1 nm - 100 nm.) are not used in the manufacture of or the formulation of this product. However, this product has not been tested for these chemical substances.

REACH Compliance & Substances of Very High Concern (SVHC)
The product complies with REACH requirements. The substances, which are contained in the product, and require registration, also complies with REACH requirements, Substances of Very High Concern (SVHC) updated as of date (including the substances added on 04Feb26), Substances listed in Annex XVII to REACH (“Restriction List”) and includes all the restrictions adopted in the framework of REACH & the previous legislation, Directive 76/769/EEC and Substances included in Annex XIV of REACH ("Authorization List").

The current list of all SVHCs can be found at ECHA website: https://echa.europa.eu/candidate-list-table

The product does not contain any candidate listed substance above > 0.1 wt%. threshold as stated in REACH (Article 57, Regulation No. 1907/2006 including Commission Regulation (EU) No 2022/586, 2023/2482, 2025/1731, 2023/2055 and amendments as of date) determined either through (i) non-use of the substance, (ii) mass balance calculation, or (iii) specific testing. The substances of very high concern (SVHC) are not added intentionally during manufacturing process of this product.

Also, to the best of our knowledge, none of these materials are generated during production of this product. Because we do not expect these materials to be present, we do not run any analysis on our raw materials or our finished products to measure for these materials.

PBT / vPvB Substances
Persistent, Bioaccumulative, and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) substances as defined in Regulation EU 1907/2006 and listed in Annex XIII of REACH are not intentionally added in the manufacture of this product.

Polycyclic Aromatic Hydrocarbons (PAHs)
Polycyclic Aromatic Hydrocarbons (PAHs) as defined in Regulation EU 1272/2013 that amends Annex XVII of Regulation EC No. 1907/2006 are not intentionally added in the manufacture of this product.

Per- and polyfluoroalkyl substances (PFAS)
PFAS (Per- and polyfluoroalkyl substances) substances as defined in Regulation EU 2021/1297 & EU 2024/2462 are not intentionally added in the manufacture of this product.

Epoxy Derivatives – Regulation (EC) 1895/2005
BADGE, NOGE and BFDGE are not used in the manufacture of or the formulation of this product according to requirement of Regulation 1895/2005.

Persistent Organic Pollutants (POPs) – Regulation (EU) 2019/1021
POPs (Persistent Organic Pollutants) substances as defined in Regulation EU 2019/1021 are not intentionally added in the manufacture of this product.

Fluorinated Green House Gases
The product complies with Regulation EU 2024/573 (amending directive (EU) 2019/1937 and repealing Regulation (EU)

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517/2014) on fluorinated greenhouse gases. The substances listed in Annex I, II, III of EU 2024/573 are not intentionally added or used in the manufacture of this product.

Active and Intelligent Materials

The product does not contain any substance or ingredient registered and authorized under Regulation (EC) No 450/2009 of 29 May 2009 on active and intelligent materials and articles intended to come into contact with food Regulation (EC) No. 450/2009 on active and intelligent materials and articles is not applicable to this polymer resin.

Synthetic Polymer Microparticles / Microplastics – Regulation EU 2023/2055 & 2025/2365

The product manufactured in pellet form is classified as synthetic polymer microparticles or microplastics according to Entry 78 of Annex XVII to Regulation EU 2023/2055 as the dimensions are equal to or less than 5mm. But as per paragraph 4a, the product can be placed in EU market since the product will be used at industrial sites. Regarding the identity of product as per EU 2023/2055, the product's Safety Data Sheet (MSDS) provides information to identify the polymer.

The Regulation EU 2023/2055 mentions about loss of plastic pellets is an important source of microplastics in the environment. And the manufacturers are required to report & minimize pellet loss. In addition, Regulation EU 2025/2365 is established on preventing pellet losses to reduce microplastics pollution. So, to address this issue of pellet loss, Advanced has provided instructions for safe use, handling and disposal of the product in the product's Safety Data Sheet (MSDS).

National legislation in EU – Member states

Italy

This product complies with D.P.R: 777/82 and amendments, and D.M. 21 Marzo 1973 MOCA IT | Consolidato 2023 "Disciplina igienica degli imballaggi, recipienti, utensili, destinati a venire in contatto con le sostanze alimentari o con sostanze d'uso personale", which takes into account the amendments from 1973 to 2023.

France

This product complies with "Décret No. 2007-766 du 10 Mai 2007 portant application du code de la consommation en ce qui concerne les matériaux et les objets destinés à entrer encontact avec les denrées alimentaires", as amended and the French DGCCRFguidelines on food contact plastics.

Germany

This product complies with "BfR-Empfehlung VII Polypropylen, Stand 01.06.2019"

The Netherlands

This product complies with "Verpakkingen- en Gebruiksartikelenbesluit, 2014 (Warenwet), Deel A, Hoofdstuk 1, Kunststoffen", as amended on 01-07-2022

National legislation in Non-EC Countries

Switzerland

The product complies with Swiss Ordinance No. SR 817.023.2: Verordnung des EDI über Bedarfsgegenstände vom 16.12.2016 (817.023.21) ; Stand 01.02.2024, 5. Abschnitt: Bedarfsgegenstände aus Kunststoff

Turkiye

This product complies with Turkiye Codex Food Substance and Materials,, Communique No. 2019/44 issued on December 25, 2019 and subsequent amendments.

United Kingdom

This product complies with The Materials and Articles in Contact with Food (EU Exit) regulation, amended by SI 2019 No. 704 - (ENG); SI 2018 No. 186 - (NIR); SI 2019 No. 32 - (SCO); SI 2018 No. 913 - (WAL)

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Norway
This product complies with Sosial- og helsedepartementets forskrift 1993-12-21-1381 - as amended (referring to Regulation EU No. 10/2011)

FDA
The product complies with Food and Drug Administration (FDA), Regulation 21 CFR 177.1520(a)(1)(i) and (c)1.1a, Olefin Polymers. All ingredients used in the product meet the requirements of their respective FDA regulations and 21 CFR 177.1520 (b).

The product is considered as suitable for use in articles that contact food, including cooking, under conditions of use listed under 21 CFR 176.170©, Table 2, A through H, and can be used in contact with all types of food as listed in 21 CFR 176.170(c), Tab.1.

China
The product complies with following Food Contact Standards:
- GB9693-1988 Standard (GMP std FCM)
- GB9693-1988 “Hygienic standard for polypropylene resin used as food packaging material”:
- GB4806.1-2016 “Food Contact Material & Articles General Safety Requirement”.
- GB4806.7-2023 “National Food Safety Standard: Food Contact Plastics”, Annex A, Table A.1, Entry Number 57, resin type: Polypropylene (PP) - CAS Number 9003-07-0.
- GB9685-2016 “National Food Safety Standard – Additives for use in Food Contact Materials and Articles”. The additives used in the product comply with the requirement of "GB9685-2016 National Food Safety Standard: Additives for use in Food Contact Materials and Articles” and relevant approval announcements.
- GB31603-2015 “National Food Safety Standard -- General Health Code for Production of Food-contacted Materials and Products”.
- GB2760-2024 for dual use.

This product does not contain monomers but has additives / components with SML and/or Overall Migration Limit (OML). However, OML and SML determinations are the responsibility of the manufacturer of finished plastic food contact material or article.

MERCOSUR (Argentina, Brazil, Uruguay, Paraguay, Venezuela and Bolivia)
This product meets the requirements of following regulations:
- GMC Resolution No. 03/1992 of April 1st 1992 and subsequent amendments, which establishes the general criteria and classification of materials for packaging and equipment in contact with food"
- GMC Resolution No. 02/2012 of April 19th 2012 which provides a "positive list of monomers, other starting substances and polymers authorized for the manufacture of plastic packaging and equipment that come into contact with food", as amended by GMC Resolution No. 19/2021.
- GMC Resolution No. 39/2019 listing additives allowed for plastics and polymeric coatings for use in food contact materials (FCMs).
- GMC Resolution No. 32/2007 - positive list of additives for plastic materials intended for the manufacture of food contact packaging and equipment.
- GMC Resolution No. 56/1992 and subsequent amendments, including GMC Resolution No 20/2021

This product does not contain monomers but has additives / components with SML and/or Total Specific Migration Limit (SML (T)) and/or QMA (residual content per food contact area). In order to guarantee the compliance with the above Resolutions, the end plastic product must be analyzed by the manufacturer concerning total migration limit and such limit must be less than 50 mg/kg or 8 mg/dm².

ANVISA, Brazilian National Agency of Sanitary Control
This product meets with the relevant requirements of the resolutions RDC n. 91/2001 - General provisions for food contact materials and RDC n. 105/1999 - General provisions for plastic materials (as amended up to RDC N. 589/2021, December 20th 2021). All monomers, additives and adjuvants used in the formulation of this product are listed in the Positive List of the following Resolutions:
- RDC n. 56/2012 (as amended up to RDC N. 961/2025, February 6th 2025). Positive list of polymers and resins

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for food packaging and equipment
- RDC n. 326/2019 (as amended up to RDC N. 963/2025, February 20th 2025). Positive List of additives for the preparation of plastic materials and polymeric coatings for food contact.

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).

Perù
This product(s) complies with relevant requirements according to NTP 399.163-1.2017: Plastic containers and accessories in contact with food, Chapter 1: General provisions and requirements.

Malaysia
Monomers and additives in this product are listed as authorized on Annex A and B, respectively, of Malaysian standard MS 2234:2009 on Plastics materials and articles intended to come into contact with food.

Singapore
The product is compliant with the Singapore Food Agency (SFA) requirements under the Sale of Food Act (Food Regulations).

Regulation 37: The homopolymer is formulated to ensure it does not yield any poisonous or deleterious substances to food under intended conditions.

International Alignment: This grade meets the extraction requirements equivalent to US FDA 21 CFR 177.1520(c)1.1 for polypropylene homopolymers, ensuring suitability for food contact.

The Republic of India
This product is complying with Indian Standard IS 10910:1984 on “Specification for polypropylene and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water”.

This product comprises a basic resin that is listed in Indian Standard IS 16738:2018 (Positive List of Constituents of Polyethylene and Polypropylene in Contact with Foodstuffs, Pharmaceuticals and Drinking water), superseding IS 10141:2001 and IS 10909:2001.

The intentionally added additives and constituents used in this product are in compliance with IS16621:2017 (Positive List of Constituents of Polyethylene and Polypropylene in Contact with Foodstuffs, Pharmaceuticals and Drinking Water) and with IS16738:2018 (Positive List of Constituents for Polypropylene, Polyethylene, and their Copolymers for its Safe Use in Contact with Foodstuffs and Pharmaceuticals), superseding IS 10141:2001 and IS 10909:2001.

This product does not contain additives with a migration limit as mentioned in Table 1 of the Indian Food Safety and Standards (Packaging) Regulations 2018 of December 24, 2018.

Sri Lanka
Monomers and additives used to manufacture this product are complying with Food (Packaging Materials and Articles) Regulations -2010, which came into operation from July 1st , 2011, made by the Minister of Health in consultation with Food Advisory Committee in terms of section 32 of the Food Act, No. 26 of 1980 and subsequent amendments.

Middle East (GCC – Bahrain, Kuwait, Oman, Qatar, Saudi Arabia and United Arab Emirates)

This product contains monomers and additives listed as authorized for materials in Table 1 of Gulf Technical Regulation GSO 1863:2021 (cancelling and replacing Gulf Technical Regulation GSO 1863:2013).

Gulf Technical Regulations GSO 2231:2012 (General Requirements For The Materials Intended To Come Into Contact With Food), GSO 839:2021 (Food Packages - Part 1: General Requirements) and GSO 1863:2021 (Food packages - Part 2: Plastic package - General Requirements) set general and technical performance requirements for final articles, which are intended for food contact. This material is a plastic intermediate material, not a final article. It is the responsibility of the producer of the final article to check if this material and final articles made out of it are suitable for the intended use and comply with all applicable regulations and requirements.

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Taiwan:
This product is complying with Food and Drug Administration (TFDA), Act Governing Food Safety and Sanitation (updated June 2019) and Sanitation Standard for Food Utensils, Containers and Packages (updated August 2013).

Thailand
This product is complying with Notification of the Ministry of Public Health (No. 295) B.E. 2548 (2005) and Food Act, B.E.2522 (1979). The chemical substances in List #4 (Prohibitive Substances) of the Thailand Hazardous Substances Act B.E.2535 (1992) and Hazardous Substance Act (No.4) B.E. 2562 (2019) are not used in the manufacture of or formulation of this product. However, this product is not tested for these substances.

Japan
This product complies with Japan MHLW notification No. 196 from April 28, 2020 and subsequent amendments including the final version of list from November 30, 2023 set to be implemented from June 1st, 2025.

The substances that are persistent, highly bio-accumulative and has long term toxicity and the substances that are considered high risk and are listed in Class I & Class II respectively by Japan's Chemical Substances Control Law (CSCL) regulated by METI, MHLW and MOE are not intentionally added or used in the manufacture of this product.

Declaration on California Proposition 65
The monomer and additives incorporated comply with California Proposition 65 and subsequent updates (including the update dated 08Dec25) & amendments as of date and the substances listed in this proposition are not added directly or indirectly in this product.

Ozone Depleting Substances

Europe: Substances that deplete the ozone layer as defined in Regulation (EU) 2024/590 of the European Parliament and of the Council of 7 February 2024 and repealing Regulation (EC) No 1005/2009 (Text with EEA relevance) are not intentionally added in the manufacture of this product.

United States: Materials listed in the Clean Air Act Amendments of 1990 (Class I, CFC's and Class II, HCFC's, Halons and the solvents, carbon tetrachloride and 1,1,1-trichloroethane) are not intentionally used in the production of this product.

Montreal Protocol: ODCs listed in the Montreal Protocol are not used in the manufacture of or formulation of this product.

Genetically Modified Organisms (GMO)
Additives derived from Genetically Modified Organisms (GMO's) are not intentionally used in the formulation of this product.

Tallow
Tallow derived additives are not used in the manufacture of this product.

Bovine Spongiform Encephalopathy (BSE)/Transmissible Spongiform Encephalopathy (TSE)/"Mad Cow"
Substances of Animal Origin are not intentionally added in the manufacture of this product. Based on this, the risk of transmission of Bovine Spongiform Encephalopathy (BSE) / Transmissible Spongiform Encephalopathy (TSE) / "Mad Cow" is not relevant.

Kosher
We do not certify our resins to be Kosher or in compliance with Kosher requirements.

Halal
The product is not Halal certified.

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Headquarters - Dammam P.O. Box 7215 Dammam 31462 Saudi Arabia
Jubail P.O. Box 11022 Jubail 31961 Saudi Arabia
Tel: +966 13 359 1000 Fax: +966 13 356 6065 C.R. 2055008094
Paid up capital: S.R. 1,967,940,000.00

الشركة المتقدمة للبتروكيماويات
شركة مساهمة سعودية

المركز الرئيسي - الدمام ص.ب. ٧٢١٥ - الدمام ٣١٤٦٢ المملكة العربية السعودية
الجبيل ص.ب. ١١٠٢٢- الجبيل ٣١٩٦١ المملكة العربية السعودية
هاتف: ...١ ٣٥٩ ١٣ ٩٦٦+ فاكس: ٦٥٦ ٣٥٦ ١٣ ٩٦٦+ س.ت. ٢٠٥٥..٨٠٩٤
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European Pharmacopeia (EP)
This product has not been tested for E.P.

Drug Master File (DMF)
Information on this product is not listed in a DMF.

US Pharmacopeia (USP)
This product has not been tested for USP Class VI.

Latex
"Natural rubber latex", "dry natural rubber", "synthetic latex" or “rubber that contains natural rubber" is not used in the manufacture, formulation, handling and packaging processes of this product.

Composting - CEN Standard EN 13432
The product is not suitable for composting.

Energy Recovery - CEN Standard EN 13431
The calorific gain from polypropylene in an energy recovery process is 24 MJ/kg.

MOSH, MOAH & POSH
- POSH : Polyolefin Oligomeric Saturated Hydrocarbons
- MOSH: Mineral Oil Saturated Hydrocarbons
- MOAH: Mineral Oils Aromatic Hydrocarbons

Mineral oil saturated hydrocarbons (MOSH) are paraffins and naphthenes. Mineral oil aromatic hydrocarbons (MOAH) are highly alkylated mono- and/or polyaromatic hydrocarbons from mineral oil.

This product does not fall under MOSH, MOAH or POSH hydrocarbons.

Inventories
All ingredients in the product are in compliance with the following chemical inventories:

United States:	Toxic Substances Control Act Inventory (TSCA)
Canada:	Domestic Substances List (DSL) – Non-Domestic Substances List (NSDL)
Europe:	European Inventory of Existing Commercial Chemical Substances (EINECS) European List of Notified Chemical Substances (ELINCS)
Australia:	Australian Inventory of Chemical Substances (AICS)
Korea:	Korean Existing Chemicals List (ECL)
Japan:	Japanese Existing and New Chemical Substances (ENCS) The product is also in Compliance with Food Contact Positive Lists by Japan’s Ministry of Health, Labour and Welfare (MHLW) issued on April 28th, 2020 and effective on June 1st, 2020. Table 1 and 2 and final version published on November 30th, 2023 set to be implemented from June 1st, 2025
The Philippines:	Philippines Inventory of Chemicals and Chemical Substances (PICCS)
China:	Inventory of Existing Chemical Substances Manufactured or Imported in China IECSC)
New Zealand:	New Zealand Inventory of Chemicals (NZIoC)

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Taiwan: Toxic Chemical Substance Control Act (TCSCA)

The product has no special requirements under US TSCA (e.g. consent orders, test rules, 12 (b) requirements, etc.).

Other chemicals (NIAS):

The chemical substances listed below are not used intentionally in the manufacture or the formulation of this product and are not expected to be present. Since these products are not expected to be present, we do not carry out analysis in determining these substances.

Substance	CAS No.	Substance	CAS No.
Acenaphthylene	208-96-8	Naphthalene	91-20-3
Acrylamide	79-06-1	Nonylphenol	25154-52-3
Acrolein (propenal)	107-02-8	Organo-tin Compounds	- - - - - -
Anthracene	120-12-7	Oxo-degradable additives	- - - - - -
Antimony Trioxide	1309-64-4	Palm Oil	8002-75-3
Aromatic Amines	- - - - - -	Peroxide	- - - - - -
Asbestos	- - - - - -	Perfluorochemicals (PFCs)	- - - - - -
Azo Dyes and Pigments	- - - - - -	Perfluoroalkylated, Polyfluoroalkylated Substances; PFASs	- - - - - -
Benzene	71-43-2	Perfluorohexane sulfonic acid (PFHxS)	355-46-4
Benz(a)anthracene	56-55-3	Perfluorooctanoic acid (PFOA)	335-67-1
Benzo(a)pyrene	50-32-8	Perfluorooctane sulfonate (PFOS)	1763-23-1
Benzo(b)fluoranthene	205-99-2	Phenanthrene	85-01-8
Benzo(e)pyrene	192-97-2	Phthalocyanine Green	1328-53-6
Benzo(ghi)perylene	191-24-2	Poly-alpha-olefin (PAO)	- - - - - -
Benzo(j)fluoranthene	205-82-3	Polybrominated Biphenyls (PBBs)	- - - - - -
Benzo(k)fluoranthene	207-08-9	Polybrominated Diphenyl Ethers (PBDEs)	- - - - - -
Benzophenone	119-61-9	Polybrominated Terphenyls (PBTs)	- - - - - -
Bisphenol A and other derivatives of Bisphenol	80-05-7	Polychlorinated Biphenyls (PCBs)	- - - - - -
Butylated hydroxyanisole (BHA)	121-00-6	Polychlorinated Naphthalenes (PCNs)	- - - - - -
Butylated hydroxytoluene (BHT)	128-37-0	Polychlorinated Terphenyls (PCTs)	- - - - - -
Chrysene	218-01-9	Polycyclic Aromatic Hydrocarbons (PAHs)	- - - - - -
Crystal Violet	548-62-9	Polyolefin Waxes	- - - - - -
Chlorinated paraffins	- - - - - -	Polystyrene, EPS and other derivatives of Styrene	- - - - - -
Cyanuric acid	108-80-5	Polyvinyl Chloride (PVC)	9002-86-2
Dibenz(a,h)anthracene	53-70-3	Polyvinylidene chloride (PVDC)	9002-85-1
Dioxins	- - - - - -	Pyrene	129-00-0
Epichlorohydrin	106-89-8	Contamination from Radioactive and Radiological Sources	- - - - - -
Ethyl Alcohol	64-17-5	Silicone	- - - - - -
Fluoranthene	206-44-0	Styrene monomer	100-42-5
Fluorene	86-73-7	Sulfur di-oxide	7446-09-5
Fluorocarbons	- - - - - -	Sulfide or sulfide derivatives	- - - - - -
Fluorotelomers	- - - - - -	Tertiary Butyl Hydroquinone(TBHQ)	1948-33-0
GMO	- - - - - -	Titanium Acetylacetonate	17501-79-0
Gold (Au)	7440-57-5	Titanium Nitride	25583-20-4

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Halogenated flame retardants	- - - - - -	Toluene	108-88-3
Hindered phenols	- - - - - -	Tris-nonylphenol phosphite (TNPP)	26523-78-4
Indeno(1,2,3-cd) pyrene	193-39-5	Vinyl Chloride and other derivatives of Vinyl	75-01-4
Isopropylthioxanthane (ITX)	83846-86-0	Vinyl Acetate	108-05-4
Melamine	108-78-1	Talc	14807-96-6
1,2-Dihydro-Acenaphthene		83-32-9	
1-(2-Pyridylazo)-2-naphthol (PAN)		85-85-8	
2-(2H-1, 2, 3-Benzotriazol-2-yl)-4,6-di-tert-butylphenol (Benzotriazole)		3846-71-7	
2-Mercaptobenzothiazole (Benzothiazole-2-thiol or MBT)		149-30-4	
2,4-Pentadione (Acetylacetone):		123-54-6	
9H-fluorene		86-73-7	
Endocrine Disrupters:		As reported in the ED List	
		As reported in the ANSES	

Food Allergens

European Union

The food ingredients listed in the Annex II of European Directive 1169/2011/EC, are not used in the manufacture, or the formulation of this product and the product is manufactured in dedicated equipments. However, this product has not been tested for these substances.

United States

Major food allergens (crustacean shellfish, eggs, fish, milk, peanuts, soy, tree nuts, and wheat) as specified in the Food Allergen Labeling and Consumer Protection Act (FALCPA) of 2004 are not used in the manufacture, or the formulation of this product and the product is manufactured in dedicated equipments. However, this product has not been tested for these substances

Endocrine Disruptors

Biocides

The active substances listed in the Annex I of the biocidal products regulation, EU 528/2012, are not used in the manufacture of or formulation of this product. However, this product has not been tested for these chemical substances.

Bisphenol A (BPA) and other bisphenols and bisphenol derivatives – Regulation (EU) 2024/3190 & 250/2026

This product complies with regulation (EU) 2024/3190 & 250/2026 concerning the use of Bisphenol A (BPA) and other bisphenols and bisphenol derivatives, as in the manufacturing of polypropylene, and polyolefins in general, do not require their use

Phthalates

Plasticizers are not used in polypropylene as Polyolefins do not require the use of plasticizers to make them soft and flexible. Those phthalate plasticizers that have been associated with potential health issues are not intentionally used by Advanced in the manufacture of or formulation of this product. However, traces of phthalates may be present in this product as impurities from the catalyst system (as minor component of catalyst system, defined as Technical Support Agent), which are in compliance with Regulation (EU) 10/2011/EC.

Cosmetic regulation 1223/2009/EC

The EU regulation 1223/2009/EC applies to cosmetic products and it does not apply to the polymer resins. However, we confirm that any of the substances listed in the Annex II of the regulation 1223/2009/EC is not used in the manufacture or formulation of this product. However, this product has not been tested for these chemical substances.

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Global Automotive Declarable Substance List (GADSL)
The monomer, the base resin and the additives used in the formulation of this product are not listed in the aforementioned Global Automotive Declarable Substance List. The phthalate plasticizers that have been listed in the GADSL are not intentionally used in the manufacture or formulation of these grades.

Dimethyl Fumarate (DMF) – EU Commission Regulation 412/2012
Dimethyl fumarate [2-butenedioic acid (2E)-, dimethyl ester] (DMF) (CAS#: 624-49-7) is not used in the manufacture of or formulation of this product. However, we do not test this product for DMF.

Triclosan (2,4,4'-trichloro-2'-hydroxydiphenyl ether) – Commission Decision of 19 March 2010-(2010/169/EU)
Triclosan (2,4,4'-trichloro-2'-hydroxydiphenyl ether) Cas. N.3380-34-5 is not used in the manufacture of or formulation of this product. However, this product has not been tested for these substances.

Conflict Minerals (Dodd-Fran Wall Street Reform and Consumer Protection) – EU Regulation 2017/821
Conflict minerals, which include columbite-tantalite (also known as coltan) [source for tantalum], cassiterite [source for tin], gold, wolframite [source for tungsten] or their derivatives are not intentionally used in the manufacture of or formulation of this product. However, we do not test this product for these substances.

US Environmental Protection Agency (EPA)
This product is listed under Section 8(b) of Toxic Substances Control Act (TSCA) Inventory and is exempted from Chemical Data Reporting (CDR), including the recent update of CDR submission deadline of November 22, 2024, under the rule 40 CFR 711.

PFAS (Per- and polyfluoroalkyl substances) listed under Section 8(a)(7) and PBT (Persistent, Bioaccumulative, and Toxic substances) listed under Section 6(h) of Toxic Substances Control Act (TSCA) are not intentionally added in the manufacture of this product and thus does not require reporting.

Canada Environmental Protection Agency (CEPA)
PFAS (Per- and polyfluoroalkyl substances) addressed under CEPA Section 71 and are proposed for listing in CEPA Schedule 1, Part 2 are not intentionally added in the manufacture of this product and thus does not meet any of the mandatory reporting criteria.

Switzerland "VOC-LENKUNGSABGABE"
This product contains less than 3% VOCs of the substances in the positive lists of the above Regulations.

Rhode Island Air Toxics
To the best of our knowledge, the chemicals in the list of Rhode Island Air Toxics mentioned as HAP are not used in the manufacturing or formulation of this product. However, this product has not been tested for these chemical substances.

Global Toys Regulations
CEN EN Standards, EU Directive 2005/84/EC and ASTM F963 refer to safety of toys and not specifically to plastic raw materials. According to the information provided by our raw material suppliers, we deem this product should comply with the requirements of ASTM F963, CEN standards EN71-3 / EN71-9 and EU Directive 2005/84/EC, as applicable to plastic raw materials (pellets, powder, flakes). However, this product has not been tested according to these Standards.

Disclaimer: *The information in this document is to the best of our knowledge, true and accurate at the time and date of issue. Advanced Petrochemical Company makes no representations or warranties with respect to the accuracy or completeness of the*

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information contained herein. The information provided in this document applies to the product mentioned above as it leaves the production facility of Advanced Petrochemical Company and does not cover any additive, pigment, or any other third-party material, subsequently included by the convertor. Ultimately customers must make their own determination that their use of our product is safe, lawful (except as provided in the above certifications) and technically suitable in their intended applications. Because of possible changes in the law and in regulations, we recommend that customers continuing to use our product verify status every year from this date. Seller makes no warranty; express or implied (including any warranty of merchantability or fitness for a particular purpose or any warranty) other than as separately agreed to by the parties in a contract. This information is not to be used for any litigation purpose.

This publication supersedes any prior version thereof. In case of need for further information, please contact our Sales Representative,

We are at your disposal for any further information you may need

Product Stewardship / Technical Marketing Department
Advanced Petrochemical Company Jubail, Saudi Arabia

Revision Date 11 Mar 2026

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