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- Substances listed in the UK REACH Candidate List of Substances of Very High Concern (SVHCs) for Authorisation in accordance with Article 59(10) of UK REACH.

Although these substances as such are not intentionally added to the SABIC Product, and the absence has not been checked by tests, this does not exclude the presence of negligibly slight traces due to, amongst others, impurities in the components supplied by external parties and used in the production of such components.

This SABIC Product may contain residual traces of a phthalate<sup>1</sup>, originating from the catalyst system used in its manufacturing process. Since these residual traces are not intentionally added to the SABIC Product to achieve a technical effect in the final article, they are regarded as an impurity<sup>2</sup>. According to the ECHA “Guidance for monomers and polymers” (Version 3.0, February 2023), impurities are exempted from the obligation to register and are therefore not subject to Authorisation or Restriction.

Moreover, the content of the residual phthalate present in the SABIC Product is far below the lowest concentration limit as specified in:

- Annex I of Regulation (EC) No. 1272/2008 of the European Parliament and the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) 1907/2006, which result in the classification of materials as hazardous. According to Article 56(6)(b) of REACH such concentrations are **exempted** from Authorisation.
- Annex XVII (Restriction) of EU Regulation (EC) No 1907/2006 incl. amendments.

Therefore, SABIC considers above-mentioned use of phthalates not subject to the requirements of Annex XIV (Authorisation) and/or Annex XVII (Restriction) of the EU REACH regulation, and its amendments.

<sup>1</sup> The identity of this substance is subject to confidentiality provisions of SABIC.

<sup>2</sup> ECHA Guidance for identification and naming of substances under REACH and CLP (V.2.1 of March 2017): *"Impurity: An unintended constituent present in a substance as manufactured. It may originate from the starting materials or be the result of secondary or incomplete reactions during the manufacture process. While it is present in the final substance it was not intentionally added"*.

## Microplastics

As stated in the European Green Deal and the Circular Economy Action Plan, the European Commission (EC) is committed to fight microplastics pollution. The EC adopted Commission Regulation (EU) 2023/2055 restricting sales of synthetic polymer microparticles on their own or intentionally added to mixtures - better known as “the microplastics restriction”. The regulation amends Annex XVII to the EU REACH regulation as entry 78 and entered into force on October 17, 2023, with some sector specific transition periods ranging from 4 years to 12 years.

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The new restriction aims to reduce emission of intentionally added microplastics from products such as cosmetics, household and industrial detergents, cleaning products or granular infill for use on synthetic sports surfaces. It covers all synthetic polymer particles below five millimeters (mm) that are organic, insoluble and resistant to (bio)degradation.

Manufacturers and industrial downstream users of synthetic polymer microparticles in the form of pellets, flakes, and powders used as feedstock in plastic manufacturing at industrial sites are exempt from the sales ban as stated in paragraph 4(a) of the annex to the regulation. Meanwhile, the loss of plastic pellets represents an important industrial source of microplastics in the environment. According to the regulation, manufacturers should (1) provide instructions with respect to use and disposal to industrial downstream users from October 17, 2025 onwards, and (2) fulfill reporting obligations to authorities related to pellet loss to the environment from May 31, 2026 onwards. The plastic pellet supply chain, that SABIC is part of, is already putting in place voluntarily initiatives (including reporting) to minimize pellet loss.

SABIC is committed to implementing Responsible Care® and global sustainability programs (such as The Alliance to End Plastic Waste, Operation Clean Sweep®, etc.) throughout the value chain that are designed to prevent and address accidental releases of plastic pellets into the environment. Accordingly, SABIC recommends implementation of systems and practices by downstream users to prevent and address incidental releases in order to protect the aquatic environment from potential (long-term) negative effects of plastic materials. Please note that Safety Data Sheets as supplied by SABIC already provide instructions for use and disposal explaining how to prevent releases to the environment.

**Phthalates / Endocrine Disruptors / CMR substances / Cosmetics Regulation / EuPIA Exclusion Policy**

We can inform you that this SABIC Product contains residual traces of a phthalate at a concentration level below 2 ppm [ $<0.0002\%$ (w/w)]. It originates from the catalyst system used in the manufacturing process.

The used phthalate is allowed as a *“technical support agent in polyolefins in concentrations up to 500 ppm [0.05 % (w/w)] in the final product”* according to Commission Regulation (EU) 10/2011 on materials and articles intended to contact food. The residual phthalate traces fully comply with the applicable requirements listed in that regulation and in Directive 2005/84/EC on phthalates in toys and childcare articles (repealed by EU Regulation (EC) No 1907/2006; see item 51 of Annex XVII).

These residual phthalate traces are not subject to authorization and Annex XIV (Authorisation List) of EU Regulation (EC) No 1907/2006 incl. amendments (see Status of SABIC Product with respect to REACH Registration / SVHC / ANNEX XIV / ANNEX XVII).

According to the recipe in the production, the SABIC Product does not contain substances listed by the following lists or regulations, except for above-mentioned residual traces of a phthalate:

- Substances listed in the Endocrine Disruptor Lists I, II and III ([www.edlists.org](http://www.edlists.org); latest update November 2023). That also covers substances referred to in item I and II of Article L. 5232-5 of the Public Health Code, France.

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Please note that these lists include the dithiocarbamate based fungicide 'Mancozeb' (CASRN 8018-01-7) and 'Cholecalciferol' (Vitamin D3; CAS 67-97-0).

- Substances classified as CMR (all categories) according to the Regulation (EC) 1272/2008 on the classification, labelling and packaging of substances and mixtures and its amendments, excluding authorised substances as referred to in Articles 5 and 6 of EU Commission Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food, and its amendments.
- “Substances prohibited in cosmetic products” as listed in Annex II or “Substances which cosmetic products must not contain except subject to the restrictions laid down” as listed in Annex III of EU Regulation (EC) No 1223/2009/EC on cosmetic products including amendments up to and including Commission Regulation (EU) 2023/1545 of 26 July 2023.
- Substances (Group A – G) as listed in the EuPIA Exclusion Policy for printing inks and related products, 6<sup>th</sup> Edition of March 2024.

## California Proposition 65

According to the recipe in the production of the SABIC Product, the following substance(s) as such is / are not intentionally added:

- Substances (at levels resulting in exceedance of indicated safe harbor levels) mentioned in the list of chemicals known to cause cancer or reproductive toxicity (Safe Drinking Water and Toxic Enforcement Act of 1986) of the California Proposition 65, updated December 29, 2023.

According to the recipe in the production, the trace residuals of a phthalate originating from the catalyst system used in the polymerization process do not exceed indicated safe harbor levels.

## Animal origin, TSE/BSE, Kosher/Halal

According to the recipe in the production of the SABIC Product, the following substances as such are not intentionally added:

- alcohol

The absence has not been checked by tests.

It has to be recognized that the SABIC Product is not produced in an exclusive "Halal or Kosher Certified" surrounding.

We have to inform you that according to the recipe in the production of the SABIC Product, substances of bovine origin are used.

Our suppliers have informed us that in line with Commission Regulation (EU) No. 142/2011 of 25 February 2011 implementing Regulation (EC) No. 1069/2009, the sourced fats are coming from BSE free countries or are obtained exclusively from class 3 animal by-products.

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- PerFluoroAlkyl Phosphonic or Phosphinic Acids (PFPhA, PFPiA) and their derivatives
- Fluorinated polymers (e.g. PTFE, FEP, PVDF, PVF)
- PerFluoroPolyEthers (PFPE)

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We can inform you that based on the acute toxicity information (oral rat LD<sub>50</sub>) for high molecular weight polymers in general, to the best of our knowledge, it is our opinion that the SABIC Product is essentially non-toxic if used and handled according to specifications outlined in the Safety Data Sheet (SDS).

We advise you to follow the safety guidelines and recommendations in the SDS.

## Certain restricted substances

According to the recipe in the production of the SABIC Product, the following substances as such are not intentionally used or added:

- Acetone
- Acetyl tributyl citrate (ATBC)
- Acrylamide(s)
- Acrylonitrile
- Active and intelligent materials as defined in Commission Regulation (EC) No 450/2009 of 29 May 2009.
- AlkylPhenols (AP) and AlkylPhenol Ethoxylates (APE) (e.g. nonylphenol or nonylphenol ethoxylates)
- Amide solvents such as, but not limited to, N,N-dimethylformamide (DMF), N,N-dimethylacetamide (DMA) and N-methyl-2-pyrrolidone (NMP)
- Amine catalysts, amine reagents, amine solvents
- Anisoles (incl. chloro and bromo anisoles)
- Anthraquinone and its derivatives
- Antimicrobials (antibiotics, disinfectants, antiseptics)
- Antimony trioxide, antimony pentoxide
- (Aromatic) diamines (e.g. benzidine, 4,4'-methylenedianiline (MDA))
- Asbestos
- Azides
- Aziridine(s)
- Azodicarbonamide(s), hydrazine(s)
- Azo-dyes, azo-pigments and azo-colorants
- BADGE, BFDGE or NOGE and derivatives as referred to in Commission Regulation (EC) No 1895/2005 of 18 November 2005 on the restriction of use of certain epoxy derivatives
- Benzene
- Benzophenone and its derivatives
- Benzo[a]pyrene, benzo[e]pyrene
- Benzotriazole (BTA)
- Biocides (preservatives, insecticides, disinfectants, antiseptics, pesticides, fumigants, fungicides such as mancozeb)

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- (Iso)cyanates
- Latex, natural rubber
- Melamine
- Metals: Arsenic (As), Cadmium (Cd), hexavalent Chromium (Cr<sup>6+</sup>), Lead (Pb), Mercury (Hg), Gold (Au), Iridium (Ir), Molybdenum (Mo), Nickel (Ni), Osmium (Os), Palladium (Pd), Platinum (Pt), Rhodium (Rh), Ruthenium (Ru), Selenium (Se), Silver (Ag), Thallium (Tl), Tin (Sn), Vanadium (V).
- Methylene chloride
- Methyl Ethyl Ketone (MEK)
- Methyl IsoButyl Ketone (MIBK)
- Microorganisms / Microbes (e.g. bacteria, fungi, yeasts, moulds, archaea, protists, viruses)
- Nitrates, Nitrites, Nitric acid, Nitrous acid, Nitrosating agents, Nitrating agents
- Nitro compounds (aliphatic and aromatic) such as, but not limited to, nitrosamines, nitroso compounds, nitroalkanes, nitroalkenes, nitrocellulose, nitrofurazone and nitrobenzene.
- Organotin (organostannic) compounds (mono-, di-, tri-alkyltins and their derivatives, such as, but not limited to MBT, DBT, TBT, TeBT, MOT, DOT, TPhT, TcMT)
- Ozone Depleting Substances (ODS) according to the Montreal protocol, EU Regulation (EU) No 2017/265 amending Regulation (EC) No 1005/2009 or Class I and II ODS according to the US Clean Air Act, Title VI.
- Fluorinated Greenhouse Gases according to Regulation (EU) No 2024/573 of the European Parliament and of the Council of 7 February 2024 on fluorinated greenhouse gases and repealing Regulation (EC) No 517/2014.
- Paint-Wetting Impairment Substances (PWIS)
- Parabens
- (very) Persistent, (very) Bioaccumulative and/or Toxic substances (PBT and/or vPvB)
- Persistent Organic Pollutants (POP) according to the Stockholm Convention or EU Regulation (EC) No 850/2004 (amending Directive 79/117/EEC), recast by EU Regulation (EU) No 2019/1021, including amendments up to and including Commission Delegated Regulation (EU) 2023/1608.
- \* This statement does not include information about presence or absence of PFAS, please find information about PFAS in the respective chapter of this declaration.
- Phenol, resorcinols, cresols, catechols
- Photoinitiators (e.g. isopropylthioxanthone (ITX))
- Plasticizers, softeners (Tris(2-chloroethyl) phosphate (TCEP), trimellitates, adipates, sebacates, maleates, sulfonamides)
- Polybrominated Terphenyls (PBT) / Polychlorinated Biphenyls (PCB)
- Polybrominated Biphenyls (PBB) or Polybrominated Diphenyl Ethers (PBDE)
- Polychlorinated Phenols (PCP) / Polychlorinated Naphthalenes (PCN)
- Polycyclic Aromatic Hydrocarbons (PAH)

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- Polyvinylchloride (PVC), Polyvinylidene chloride (PVDC), Chlorinated Polyvinylchloride (CPVC) and Polychloroprene (neoprene)
- Primary Aromatic Amines (PAA) and substances that can generate primary aromatic amines.
- Pyridine(s)
- Quaternary ammonium compounds
- Radioactive substances
- Rare-earth elements: Cerium (Ce), Dysprosium (Dy), Erbium (Er), Europium (Eu), Gadolinium (Gd), Holmium (Ho), Lanthanum (La), Lutetium (Lu), Neodymium (Nd), Praseodymium (Pr), Promethium (Pm), Samarium (Sm), Scandium (Sc), Terbium (Tb), Thulium (Tm), Ytterbium (Yb), and Yttrium (Y).
- Recycled materials
- Rosin, colophony (a.k.a. colophonium) and substances derived thereof
- Semicarbazide
- Silicones, silicone oils, siloxanes
- Substances (above limit values applying to Product class I) as listed in Annex 4 of the OEKO-TEX® Standard 100, Edition 01.2023
- Substances (above the mentioned concentration levels) as listed in the Global Automotive Declarable Substance List (GADSL) reference list, version V1.0, February 1<sup>st</sup>, 2024.

\* This statement does not include information about presence or absence of PFAS, please find information about PFAS in the respective chapter of this declaration. This statement does not include information about presence or absence of Critical Raw Materials (CRM) by the European Commission

- “Substances causing allergies or intolerances” as listed in Annex II of Regulation (EU) No 1169/2011 of the European Parliament and of the Council of 25 October 2011 on the provision of food information to consumers. These include: Cereals, Crustaceans, Eggs, Fish, Peanuts, Soybeans, Milk, Nuts, Celery, Mustard, Sesame seeds, Sulphur dioxide and sulphites, Lupin and Molluscs
- Substances on the OSPAR List of Chemicals for Priority Action (Revised 2013)
- Substances that could potentially be converted into nitrosamine compounds (nitrosatable substances) in any of the manufacturing steps and applied process conditions.
- Substances classified as Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under Toxic Substances Control Act (TSCA), Section 6(h), as amended by the Frank R. Lautenberg Chemical Safety for the 21st Century Act, including those issued by the US EPA via five final rules on January 6, 2021:
  - Decabromodiphenyl ether (DecaBDE) CASRN 1163-19-5
  - Phenol, isopropylated phosphate (3:1) [PIP (3:1)] CASRN 68937-41-7
  - Pentachlorothiophenol (PCTP) CASRN 133-49-3
  - Hexachlorobutadiene (HCBD) CASRN 87-68-3
  - 2,4,6-tris(tert-butyl) phenol, (2,4,6-TTBP) CASRN 732-26-3
- Thiurams
- Titanium acetylacetonate (TAA)

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Both naming options are depicted in tables 1 and 2 below:

Suffix	Feedstock origin
C	Mixed Plastic Waste
CO	Ocean Bound Plastic
B	Crude Tall Oil
BU	Used Cooking Oil
BV	Vegetable Oil Processing Residues

Table 1. Product identification via suffixes

Indicator	Feedstock origin
TRUCIRCLE™ Circular MPW	Mixed Plastic Waste
TRUCIRCLE™ Circular OBP	Ocean Bound Plastic
TRUCIRCLE™ Renewable CTO	Crude Tall Oil
TRUCIRCLE™ Renewable PFAD	Vegetable oil processing residues
TRUCIRCLE™ Renewable UCO	Used Cooking Oil

Table 2. Product identification via indicators

Example: STAMAX™ 40YM240E - in all colours (TRUCIRCLE™ Renewable UCO) is a TRUCIRCLE™ certified renewable version of fossil feedstock based STAMAX™ 40YM240E - in all colours.

The content of this document equally applies to the TRUCIRCLE™ certified circular and renewable variants of fossil feedstock-based STAMAX™ 40YM240E - in all colours.

- Additional supply sources may be added in the future.
- Product naming options may differ between product portfolios and may be subject to change. Customers will be informed accordingly.

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## General information

The information disclosed in this RDS is, to the best of our knowledge, based upon data from the manufacturing process and/or raw material suppliers or manufacturers. Although many substances are declared as “not intentionally added” to the SABIC Product throughout this RDS, it does not exclude the presence of negligibly slight traces due to, amongst others, impurities in the components supplied by external parties and used in the production of such components.

Please note that analysis of the raw materials and/or the SABIC Product for presence of the above-mentioned substances on a routine basis is neither part of quality control plans, nor part of SABIC Product specifications, and hence it shall not be construed as any warranty, expressed or implied.

SABIC recommends users to take appropriate precaution during storage, transportation and use of SABIC Products to avoid contamination and deterioration. Please refer to the SABIC Product's Safety Data Sheets (SDS) before use.

SABIC makes no recommendation for suitability of this SABIC product in the downstream user's intended application. SABIC has no control over finished plastic materials or articles nor over their manufacturing, processing and use conditions and can never accept any responsibility for compliance of these finished plastic materials or articles. SABIC cannot be held responsible for changes that may result from further processing of its product by other parties in the supply chain. It is the responsibility of downstream users to determine whether its use of SABIC products in a particular application is suitable and to check compliance of their final product with relevant regulations. Material or product performance in the end application should be validated through proper end use testing based on the information provided by the supply chain.

This declaration applies to the material as it leaves its production facilities. It does not cover any substance(s) or mixture(s) subsequently added and/or improper material processing or article fabrication further down the supply chain.

Please note carefully that Regulations develop continuously and that SABIC declarations may be adapted accordingly. This declaration replaces all previous versions relating to this subject and product, and will be valid for a period of 1 (one) year, after which it will automatically expire.

If you have further questions, or require any additional information on the above, please use the ***“Contact Us”*** form on the SABIC website. After selecting the option ***“Products”*** and your product, choose ***“Regulatory”*** as option under ***“What is the nature of your inquiry”***. The form is available via <https://www.sabic.com/en/contact>.

## Corporate Product Stewardship

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