

**POLYPROPYLENE HOMOPOLYMER HKR102**

Version: 1.01

Revision Date 2020/03/02

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Trade name	Polypropylene Homopolymer HKR102
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1.2 Relevant identified uses of the substance or mixture and uses advised against

Use	food industry Industrial use
Uses advised against	

1.3 Details of the supplier of the safety data sheet

Company	Sasol Chemie GmbH & Co. KG Anckelmannsplatz 1 20537 Hamburg Germany
	Telephone: +49 40 63684-1000 Telefax: +49 40 63684-3700
Information (Product safety):	Telephone: + 49 (0) 23 65 - 49 47 05 Telefax: + 49 (0) 23 65 - 49 92 40
E-mail address	solvents.germany.msds@de.sasol.com

1.4 Emergency telephone number

Emergency telephone number	+44 (0)1235 239 670 (Europe, Israel, Africa, Americas) +44 (0)1235 239 671 (Middle East, Arabic African countries) +65 3158 1074 (Asia Pacific) +86 10 5100 3039 (China) +27 (0)17 610 4444 (South Africa) +61 (2)8014 4558 (Australia)
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SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

2.2 Label elements

Not a hazardous substance or mixture.

2.3 Other hazards

Forms slippery/greasy layers with water.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture in the meaning of regulation (EC) 1907/2006.

CHEMICAL CHARACTERIZATION**1-Propene, homopolymer****component type:** Active ingredient**EC-No.:****Index-No.:****CAS-No.:** 9003-07-0**REACH No.:** Not relevant (polymer)**COMPONENTS TO BE NAMED IN ACCORDANCE WITH REGULATION (EC) 1907/2006 AS WELL AS OTHER HAZARDOUS INGREDIENTS AND CONTAINED SUBSTANCES WITH WORK PLACE LIMIT VALUES**

No hazardous ingredients

Other data

stabilised by the addition of an inhibitor

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	No hazards which require special first aid measures.
If inhaled	If inhalation of melt processing fumes occurs, remove to fresh air. Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.
In case of skin contact	Wash off with plenty of water. Cool skin rapidly with cold water after contact with molten polymer. Do not peel polymer from the skin. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Most important symptoms and effects, both acute and delayed	Symptoms: No information available. Risks: Molten polymer can cause severe burns in contact with skin and eyes
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4.3 Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed	Treatment: No information available.
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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

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Suitable extinguishing media Water spray, Dry powder, Foam, Carbon dioxide (CO₂)

Unsuitable extinguishing media Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting Dangerous gases or fumes may occur in case of fire.

5.3 Advice for firefighters

Special protective equipment for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

Further information Standard procedure for chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions Use personal protective equipment.

Special precautions Knock down dust with water spray jet. Remove all sources of ignition. Pick up and arrange disposal without creating dust. Forms slippery/greasy layers with water.

6.2 Environmental precautions

Environmental precautions Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Sweep up or vacuum up spillage and collect in suitable container for disposal. Molten form Allow to solidify, use mechanical handling equipment.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Advice on protection against fire and explosion Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers Store at room temperature. Keep in a dry, cool and well-ventilated place.

Advice on common storage Keep away from solvents. Keep away from oxidizing agents.

Storage class (TRGS 510) 10-13: German Storage Class 10 to 13

Other data Stable under normal conditions.

7.3 Specific end use(s)

Specific use(s) This information is not available.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters**COMPONENTS WITH WORKPLACE CONTROL PARAMETERS****National occupational exposure limits**

No data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

DERIVED NO EFFECT LEVEL (DNEL)**Substance name: 1-Propene, homopolymer**

No data available

PREDICTED NO EFFECT CONCENTRATION (PNEC)**Substance name: 1-Propene, homopolymer**

No data available

8.2 Exposure controls**PERSONAL PROTECTIVE EQUIPMENT**

Respiratory protection	No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where dust, fibres and smoke occur, use self-contained breathing apparatus or breathing apparatus with a type P2 or P3 filter, in compliance with EN 143.
Hand protection	Coordinate hand protection with other chemicals used. Preventive hand protection is recommended., Use barrier cream regularly.
Eye protection	Safety glasses
Skin and body protection	Wear suitable protective equipment.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Protective measures	Wear suitable protective equipment.

ENVIRONMENTAL EXPOSURE CONTROLS

Water	Do not flush into surface water or sanitary sewer system.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	solid; 20 °C; 1,013 hPa
Form	solid
Colour	clear to slightly hazy
Odour	hydrocarbon-like
Odour Threshold	No valid method available.
pH	Not applicable
Melting point/range	130 - 165 °C
Boiling point/boiling range	Not applicable
Flash point	> 350 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	Not relevant / Not applicable, Justification: Solid
Relative vapour density	> 1
Density	0.88 - 0.92 g/cm ³ ; 25 °C
Relative density	0.85 - 0.965
Water solubility	insoluble
Partition coefficient: n-octanol/water	not applicable (mixture)
Ignition temperature	> 390 °C
Auto-ignition temperature	not auto-flammable
Viscosity, dynamic	Not applicable, Justification: Solid
Explosive properties	not expected based on structure and functional groups
Oxidizing properties	not expected based on structure and functional groups

9.2 Other data

Additional advice	no data
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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Note	Stable at normal ambient temperature and pressure.
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10.2 Chemical stability

Note	No decomposition if stored and applied as directed.
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10.3 Possibility of hazardous reactions

Hazardous reactions	Hazardous decomposition products formed under fire conditions.
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10.4 Conditions to avoid

Conditions to avoid	Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.
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10.5 Incompatible materials to avoid

Materials to avoid	Oxidizing agents;
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10.6 Hazardous decomposition products

Hazardous decomposition products	Acrolein Formaldehyde-like organic vapors Carbon monoxide Carbon dioxide (CO ₂)
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Thermal decomposition	No decomposition if used as directed.
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SECTION 11: TOXICOLOGICAL INFORMATION

1-Propene, homopolymer:

The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

11.1 Information on toxicological effects**Acute toxicity**

Acute oral toxicity	1-Propene, homopolymer: No data available
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Acute inhalation toxicity	1-Propene, homopolymer: No data available
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Acute dermal toxicity	1-Propene, homopolymer: No data available
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Skin corrosion/irritation

Skin irritation	1-Propene, homopolymer: No data available
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Serious eye damage/eye irritation

Eye irritation	1-Propene, homopolymer: No data available
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Respiratory or skin sensitisation

Sensitisation	1-Propene, homopolymer: No data available
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Germ cell mutagenicity

Genotoxicity in vitro	1-Propene, homopolymer: No data available
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Genotoxicity in vivo	1-Propene, homopolymer: No data available
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Carcinogenicity

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Carcinogenicity	1-Propene, homopolymer: The product or substance does not contain constituents listed as a carcinogen.
Reproductive toxicity	
Reproductive toxicity	1-Propene, homopolymer: This information is not available.
STOT - single exposure	
Remarks	1-Propene, homopolymer: This information is not available.
STOT - repeated exposure	
Remarks	1-Propene, homopolymer: This information is not available.
Aspiration hazard	
Aspiration toxicity	1-Propene, homopolymer: Not applicable
Toxicological information	1-Propene, homopolymer: Molten polymer can cause severe burns in contact with skin and eyes

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	1-Propene, homopolymer: No data available
Toxicity to fish - Chronic toxicity	1-Propene, homopolymer: No data available
Toxicity to daphnia and other aquatic invertebrates	1-Propene, homopolymer: No data available
Toxicity to daphnia and other aquatic invertebrates - Chronic toxicity	1-Propene, homopolymer: No data available
Toxicity to aquatic plants	1-Propene, homopolymer: No data available
Toxicity to bacteria	1-Propene, homopolymer: No data available
Toxicity to soil dwelling organisms	1-Propene, homopolymer: No data available
Toxicity to terrestrial flora	1-Propene, homopolymer: No data available
Toxicity for other terrestrial non-mammalian fauna	1-Propene, homopolymer: No data available

12.2 Persistence and degradability

Biodegradability	1-Propene, homopolymer: This material is not expected to be biodegradable.
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12.3 Bioaccumulative potential

Bioaccumulation	1-Propene, homopolymer: No data available
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12.4 Mobility in soil

Mobility	1-Propene, homopolymer: No data available
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12.5 Results of PBT and vPvB assessment

Results of PBT assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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Results of PBT assessment	1-Propene, homopolymer: No data available
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12.6 Other adverse effects

General advice	1-Propene, homopolymer: Aquatic toxicity is unlikely due to low solubility.
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SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Product	Can be incinerated, when in compliance with local regulations.
waste code of the European Union: EWC	A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose. The waste code must be determined in agreement with the regional waste disposal authority or company.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number**

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.2 Proper shipping name

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.3 Transport hazard class

ADR	Not dangerous goods
RID	Not dangerous goods

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ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.4 Packing group

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.5 Environmental hazards

ADR	Environmentally hazardous	no
RID	Environmentally hazardous	no
ADN	Environmentally hazardous	no
IMDG	Marine pollutant	no
ICAO/IATA	Environmentally hazardous	no

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks No information available.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****NATIONAL/OTHER REGULATIONS**

Legislation on the control of major-accident hazards involving dangerous substances	Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. list entry in the directive:: Not applicable
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NOTIFICATION STATUS

Switzerland. Consolidated Inventory (based on EU-EINECS and EU-NLP)	CH INV	listed (product or constituents are listed)
Canadian Domestic Substances List (DSL)	DSL	listed (product or constituents are listed)
Australia Inventory of Chemical Substances (AICS)	AICS	listed (product or constituents are listed)
Japan. ENCS - Existing and New Chemical Substances Inventory	ENCS (JP)	listed (product or constituents are listed)
Japan. ISHL - Inventory of Chemical Substances	ISHL (JP)	listed (product or constituents are listed)
Korea. Korean Existing Chemicals Inventory (KECI)	KECI (KR)	listed (product or constituents are listed)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	PICCS (PH)	listed (product or constituents are listed)
China. Inventory of Existing Chemical Substances in China (IECSC)	IECSC	listed (product or constituents are listed)
Taiwan Chemical Substance Inventory (TCSI)	TCSI	listed (product or constituents are listed)
United States TSCA Inventory	TSCA	listed (product or constituents are listed)

Please note: the names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in chapter 3.

15.2 Chemical safety assessment**1-Propene, homopolymer**

A Chemical Safety Assessment is not required for this substance (exempted from obligation to register).

SECTION 16: OTHER INFORMATION**Safety datasheet sections which have been updated:**

- 3. Composition/information on ingredients
- 8. Exposure controls/personal protection
- 15. Regulatory information

Further information:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

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Key or legend to abbreviations and acronyms used in the safety data sheet

ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
AICS	Australian Inventory of Chemical Substances
ANSI	American National Standards Institute
ASTM	American Society of Testing and Materials (US)
BCF	Bioconcentration factor
CLP	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DIN	Deutsches Institut für Normung
DNEL	Derived No-Effect Level
DSL	Domestic Substances List
EC...	Effect concentration ... %
ENCS	Existing Notified Chemical Substances (Japan)
EWG	European Waste Catalogue
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISHL	Industrial Safety and Health Law (Japan)
ISO	International Organization for Standardization
IUAPC	International Union of Pure and Applied Chemistry
KECI	Korea Existing Chemicals Inventory
LC...	Lethal Concentration, ...%
LD...	Lethal Dose, ...%
MARPOL	International Convention for the Prevention of Pollution From Ships
NDSL	Non-Domestic Substances List
NOAEL	no observable adverse effect level
NOEL/NOEC	No Observed-effect level/concentration
NZIoC	New Zealand Inventory of Chemicals
OECD	Organisation for Economic Co-operation and Development
PBT	persistent, bioaccumulative, toxic
PICCS	Philippine Inventory of Chemicals and Chemical Substances
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport international ferroviaire de marchandises dangereuses
TG	Test Guideline
TRGS	Technische Regeln für Gefahrstoffe
TSCA	Toxic Substances Control Act
vPvB	very persistent, very bioaccumulative
WGK	Wassergefährdungsklasse

REGULATORY DATASHEET SABIC® HDPE M80064 - 00900

Dear most valued customer,

Thank you for using SABIC products.

This Regulatory Datasheet (RDS) is specific to **SABIC® HDPE M80064 - 00900**, in the following also referred to as SABIC Product. It covers the following topics:

- REACH Registration / SVHC / ANNEX XIV / ANNEX XVII
- Microplastics
- Phthalates / Endocrine Disruptors / CMR substances / Cosmetics Regulation / EuPIA Exclusion Policy
- California Proposition 65
- Animal origin, TSE/BSE, Kosher/Halal
- Per- and Polyfluorinated Alkyl Substances (PFAS)
- PPWR / ELV / RoHS / WEEE / CONEG
- Certain restricted substances
- Halogens
- SABIC® TRUCIRCLE™ products

REACH Registration / SVHC / ANNEX XIV / ANNEX XVII

PLEASE NOTE THAT ITEMS IN THIS SECTION RELATED TO REACH REGISTRATION ONLY APPLY TO CUSTOMERS THAT HAVE PURCHASED A SABIC PRODUCT DIRECTLY FROM ONE OF THE SUBSIDIARIES OR AFFILIATES OF SAUDI BASIC INDUSTRIES CORPORATION (SABIC) WITH SEAT IN THE EUROPEAN UNION (EU).

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Polymers are exempted from Titles II (Registration of substances) and VI (Evaluation) according to Article 2(9) of EU Regulation (EC) 1907/2006 of 18 December 2006, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as amended from time to time (hereinafter referred to as EU REACH regulation).

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Version: 16 December 2025

According to the requirements of Article 6(3) of the EU REACH regulation, any manufacturer or importer of a polymer that comprises more than 2% of (a) chemically bound monomer(s) in a volume exceeding 1000 kg per year has to register the monomer(s) used. SABIC appointed its affiliate SABIC Petrochemicals B.V. based in the Netherlands to fulfil its tasks and responsibilities for complying with the legal requirements of the EU REACH regulation. SABIC Petrochemicals B.V., representing SABIC, has successfully registered the monomer(s) used in the SABIC Product under the EU REACH regulation.

Plastic materials, such as produced by SABIC are mixtures (the polymer part, residual monomer(s), stabilisers, additives, etc.). According to the EU REACH regulation mixtures do not need separate registration if the individual parts of the mixture are (pre)-registered.

For substances for which SABIC is a Downstream User, and thus has no registration obligation itself, SABIC has confirmed with all its suppliers that their registration obligations under the EU REACH regulation have been met. SABIC will not use any product or will do business with a supplier that is not compliant with the EU REACH regulation. SABIC Petrochemicals B.V., representing SABIC, has registered all (imported) substances for which there was a registration obligation and will continue to ensure SABIC's regulatory compliance with the EU REACH regulation.

Please note that the EU REACH registration of the substance(s) subject to registration in the SABIC Product is restricted to the product as manufactured by SABIC in the EU or imported by SABIC Petrochemicals B.V. and cannot be used by or relied upon by any third party.

This SABIC Product is a non-hazardous mixture according to the criteria for classification of EU Regulation (EC) 1272/2008 on the classification, labelling and packaging of substances and mixtures, and its amendments. Therefore, this non-hazardous SABIC Product is not subject to the requirements of Article 31(1) and 31(2) of the EU REACH regulation.

Since SABIC has no legal obligation to set up a Safety Data Sheet (SDS) according to Article 31 (6) and Annex II of the EU REACH regulation, the fact that SABIC issues such an SDS should be regarded as information provided on a voluntary basis as part of SABIC's Responsible Care efforts. It should be noted that an SDS, issued by SABIC, for this SABIC Product does not always contain all subheadings as listed in Part B of Annex II of the EU REACH Regulation, or all of the mandatory information on its use and application.

Regarding the presence of Substances of Very High Concern, we can inform you as follows:

According to the recipe in the production of the SABIC Product, SABIC does not intentionally add:

- Substances of Very High Concern (SVHC), included in the most recent and authentic "Candidate List of Substances of Very High Concern for Authorisation", in a concentration above the threshold limit of 0.1%, as published by the European Chemicals Agency (ECHA) on <http://echa.europa.eu/web/guest/candidate-list-table>, dated November 5, 2025 (List of 251 substances).
- Substances subject to the provisions of Annex XIV (Authorisation) or Annex XVII (Restriction) of the EU REACH regulation, and its amendments.

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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.

Microplastics

- Microplastics Compliance Information EU 2023/2055

SABIC products manufactured in the form of pellets, flakes and/or powders, that are used as feedstock in plastic manufacturing at industrial sites are classified as microplastics according to Entry 78 of Annex XVII to REACH Regulation (EU) 2023/2055 (Synthetic Polymer Microparticles (SPM) with dimensions below five (5) millimeters (mm)).

However, placing these products on the EU market remains permitted for products intended for use at industrial sites under derogation 4(a). Required condition therefore is that all information obligations set out in the Regulation are duly fulfilled.

Manufacturers and downstream users do have reporting obligations to authorities related to pellet loss to the environment with different deadlines dependent on the type of use (starting from 2026 for manufacturers and from 2027 for downstream users). Therefore, the following information about this SABIC Product is provided for downstream users⁽¹⁾:

- Concentration of Synthetic Polymer Microparticles (SPM) in SABIC product: 90-100%.
- Generic information on the identity (product description) of the used polymer(s) can be found in the respective SABIC Product's Safety Data Sheets (SDS).

(1) According ECHA Reporting requirement guidance. April 2025. V1.1

The Regulation also requires suppliers to provide Instructions for use and disposal.

- Instructions for use and disposal can be found in the respective SABIC Product's Safety Data Sheets (SDS).
- **Preventing plastic pellet loss to reduce microplastic pollution**

The loss of plastic pellets represents a major industrial source of microplastics in the environment. The plastic pellet supply chain, that SABIC is part of, is already putting in place voluntarily initiatives (including reporting) to minimize pellet loss.

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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, which are designed to prevent and address accidental releases of plastic pellets into the environment. Accordingly, SABIC recommends the 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. Before use, please refer to the SABIC Product's Safety Data Sheets (SDS) for instructions on use, accidental release measures and disposal considerations to prevent releases to the environment.

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

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

- Phthalates (the product is manufactured using a phthalate-free catalyst system).
- Substances listed in the Endocrine Disruptor Lists I, II and III (www.edlists.org; latest update June 2025). That also covers substances referred to in item I and II of Article L. 5232-5 of the Public Health Code, France. It excludes 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. 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) 2024/996.
- Substances (Group A – G) as listed in the EuPIA Exclusion Policy for printing inks and related products, 7th Edition of November 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 5, 2025.

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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:

- animal substances or substances of animal origin.
- alcohol

The absence of these substances has not been checked by tests.

Based on the absence of animal substances or substances of animal origin in the SABIC Product, to the best of our knowledge, the risk of transmission of Transmissible Spongiform Encephalopathies (TSE) / Bovine Spongiform Encephalopathy (BSE) is not relevant.

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

Per- and PolyFluorinated Alkyl Substances (PFAS)

Per- and Polyfluorinated Substances (hereinafter "PFAS" ¹) are a chemical class with diverse molecular structures and physical, chemical and biological properties. The term PFAS is a broad, general, non-specific term that does not inform whether a substance, which fits into this chemical class, is harmful or not ².

There are currently no global absolute bans on PFAS, but a comprehensive package of strategies on taking broad-scale regulations or restrictions worldwide to regulate PFAS is currently under development.

This SABIC Product does not contain intentionally added PFAS. According to the formulation in the production of the SABIC Product, the following substances as such are not intentionally used or added:

- Per- and PolyFluorinated Alkyl Substances (PFAS) including, but not limited to:
 - Per- and PolyFluorinated Carboxylic Acids (PFCA) and their derivatives (e.g. Long Chain PerFluorinated Alkyl Carboxylates (LCPFAC) and their salts and precursors, TFA, PFPA, HFBA, PFHxA, PFOA, PFNA and "GenX substances")
 - Per- and PolyFluorinated Sulfonic Acids (PFSA) and their derivatives (e.g. PFBS, PFHxS, PFOS, PFOSA)
 - PerFluoroEther Carboxylic Acids (PFECA) and their derivatives
 - PerFluoroEther Sulfonic Acids (PFESA) and their derivatives
 - PerFluoroAlkyl Phosphonic or Phosphinic Acids (PFPhA, PFPiA) and their derivatives
 - Fluorinated polymers (e.g. PTFE, FEP, PVDF, PVF)

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- PerFluoroPolyEthers (PFPE)

- [1 About PFASs - OECD Portal on Per and Poly Fluorinated Chemicals](#)
- [2 https://www.oecd.org/content/dam/oecd/en/topics/policy-sub-issues/risk-management-risk-reduction-and-sustainable-chemistry/polymers-of-low-concern.pdf/_jcr_content/renditions/original.media_file.download_attachment.file/polymers-of-low-concern.pdf](https://www.oecd.org/content/dam/oecd/en/topics/policy-sub-issues/risk-management-risk-reduction-and-sustainable-chemistry/polymers-of-low-concern.pdf/_jcr_content/renditions/original.media_file.download_attachment.file/polymers-of-low-concern.pdf)

PPWR / ELV / RoHS / WEEE / CONEG

The chemical composition of the SABIC Product complies with:

- Regulation (EU) 2025/40 of 19 December 2024 on packaging and packaging waste, amending Regulation (EU) 2019/1020 and Directive (EU) 2019/904, and repealing Directive 94/62/EC (as amended).
- EU Directive 2000/53/EC of 18 September 2000 on end-of life vehicles (ELV), up to and including Commission Delegated Directive (EU) 2023/544 of 18 September 2023.
- EU Directive 2002/95/EC of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS 1), recast by European Directive 2011/65/EU (RoHS 2), amended by European Directive (EU) 2015/863 of 31 March 2015 (RoHS 2 amendment), up to and including Commission Delegated Directive (EU) 2024/1416 of 13 March 2024.
- China Standard GB/T 26572-2011, "Requirements of concentration limits for certain restricted substances in electrical and electronic products." issued by China's Ministry of Industry and Information Technology (MIIT).

Since the SABIC Product does not contain brominated flame-retardants, this material is not subject to the selective waste requirements of Annex VII of Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE) and amendments.

With respect to heavy metals (Cadmium, Mercury, Lead and hexavalent Chromium), the chemical composition of the SABIC Product complies with:

- Regulation (EU) 2025/40 of 19 December 2024 on packaging and packaging waste, amending Regulation (EU) 2019/1020 and Directive (EU) 2019/904, and repealing Directive 94/62/EC (as amended).
- EU Directive 2000/53/EC of 18 September 2000 on end-of life vehicles (ELV), up to and including Commission Delegated Directive (EU) 2023/544 of 18 September 2023.
- Coalition of Northeastern Governors (CONEG) developed "Model Toxics in Packaging Legislation".

The SABIC Product is not classified as "hazardous mixture" according to EU Regulation (EC) 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP), and amendments.

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We can inform you that based on the acute toxicity information (oral rat LD₅₀) 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)

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- Biocides (preservatives, insecticides, disinfectants, antiseptics, pesticides, fumigants, fungicides such as mancozeb)
- Bisphenol-A, -AP, -AF, -B, -BP, -C, -C2, -E, -F, -G, -M- S, -P, -PH, -TMC, -Z
- Boric acid; diboron trioxide; tetraboron disodium heptaoxide, hydrate; disodium tetraborate, anhydrous; orthoboric acid sodium salt; disodium tetraborate decahydrate; disodium tetraborate pentahydrate
- Butylated hydroxyanisole (BHA)
- Butylated hydroxytoluene (BHT)
- Carbamates
- Chlorinated paraffins (SCCP, MCCP, LCCP)
- Chlorobenzene
- Chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), hydrofluorocarbons (HFCs)
- Chlorophenols (e.g. pentachlorophenol)
- 2-Chloro-propanol
- 3-Chloro-1,2-propanediol (3-MCPD)
- Cobalt (Co), mica, copper, nickel, graphite and lithium sourced from conflict-affected and high-risk areas in accordance with the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas.
- Conflict Minerals (cassiterite / tin; columbite-tantalite (coltan) / tantalum; wolframite / tungsten and gold), as referred to in Title XV, Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act
- Cyanides
- Cytotoxins, endotoxins, hormones
- 1,3-Dichloro-2-propanol (1,3-DCP)
- Dimethylfumarate (DMF)
- Dioxins and furans
- 2-Ethylhexylhexanoic acid (2-EH)
- Ethylene oxide
- Engineered nanomaterials
- Epichlorohydrin
- Epoxidized soy bean oil (ESBO)
- Formaldehyde
- Flame retardants (incl. chlorinated, brominated, phosphorous-based (organophosphorus) compounds) (e.g. HBCD, TBBPA, phosphinates)
- Fragrances, perfumes
- Genetically Modified Organisms (GMO) or substances derived thereof
- Glycol ethers
- Glyoxal (ethanedial)

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- Ground bamboo, bamboo flour or fibers, corn flour
- Human pathogens
- Human substances and substances of human origin (e.g. blood, DNA, insulin)
- (Iso)cyanates
- Latex, natural rubber
- Melamine
- Metals: Arsenic (As), Cadmium (Cd), hexavalent Chromium (Cr⁶⁺), 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) 2024/590 of 7 February 2024, repealing 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) 2025/1930.
- * 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)

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- Polybrominated Biphenyls (PBB) or Polybrominated Diphenyl Ethers (PBDE)
- Polychlorinated Phenols (PCP) / Polychlorinated Naphthalenes (PCN)
- Polycyclic Aromatic Hydrocarbons (PAH)
- 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 02.2024
- Substances (above the mentioned concentration levels) as listed in the Global Automotive Declarable Substance List (GADSL reference list), Version 2.0, revised August 1st, 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

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- 2,4,6-tris(tert-butyl) phenol, (2,4,6-TTBP) CASRN 732-26-3
- Thiurams
- Titanium acetylacetonate (TAA)
- Triaryl phosphites, Triclosan, Triclocarban
- Triethyl amine
- 2,2,4-Trimethyl-1,3-pentanediol diisobutyrate (TXIB)
- Tris(nonylphenyl, branched and linear) phosphite (TNPP)
- Vinyl Chloride Monomer (VCM)
- The SABIC Product does not contain Volatile Organic Compounds in a concentration exceeding the limit (3%) of the Swiss regulation SR 814.018: "Verordnung über die Lenkungsabgabe auf Flüchtigen Organischen Verbindungen (VOCV)" of November 12th, 1997
- Xylene

Halogens

Regarding the presence of halogens in the SABIC Product we can inform you that according to the recipe in the production the following substances as such are not intentionally used or added:

- Halogens (Bromine, Fluorine, Iodine, Astatine, except for Chlorine) or halogen compounds.

The SABIC Product contains trace amounts of organic or inorganic chlorine compounds, originating from the catalyst system used in the manufacturing process (Chlorine level is <50 ppm). It is a "Halogen-Free" material according to the International Electrochemical Commission's (IEC) definition of Halogen-Free (IEC 61249-2-21).

SABIC® TRUCIRCLE™ certified circular and certified bio-renewable products

SABIC aspires to provide its customers with more sustainable solutions to accelerate the circular carbon economy. SABIC launched its TRUCIRCLE™ certified circular and bio-renewable portfolio in an effort to transform today's linear economy into a sustainable circular economy for plastics.

The chemical recycling concept of SABIC® TRUCIRCLE™ certified circular and bio-renewable polymers is referred to as advanced or feedstock recycling. It is based on thermal conversion technologies to produce pyrolysis oil (circular) or bio-based (bio-renewable) feedstocks as primary outputs. These are used as alternative cracker feedstock sources to (partly) replace traditional cracker feedstocks ^{a)}. The application of feedstock recycling in the manufacture of SABIC® TRUCIRCLE™ certified circular and bio-renewable polymers ensures that these polymers are identical to their conventional fossil-based counterparts in both technical and regulatory respect. They are drop-in replacements for their traditional feedstock-based counterparts for use, under the same conditions, in all application areas without need for additional measures.

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At this moment, there are two ways to identify SABIC® TRUCIRCLE™ certified circular and certified bio-renewable products ^{b)}. The first way is via specific suffixes that are added to the names of their original traditional feedstock-based counterparts. The second way is through feedstock indicators in combination with the name of the original traditional feedstock-based products. These indicators are displayed in the customer portal and/or mentioned on invoice / shipping documentation. Both naming options are depicted in tables 1 and 2 below:

Suffix	Feedstock origin
C	Mixed Plastic Waste
O	Ocean Bound Plastic
L	Lubricant Oil Wastes
T	End-of-life Tyres
B	Crude Tall Oil
U	Used Cooking Oil
V	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™ Circular TPO	End-of-life Tyres
TRUCIRCLE™ Circular LOW	Lubricant Oil Wastes
TRUCIRCLE™ Bio-renewable CTO	Crude Tall Oil
TRUCIRCLE™ Bio-renewable PFAD	Vegetable oil processing residues
TRUCIRCLE™ Bio-renewable UCO	Used Cooking Oil

Table 2. Product identification via indicators

Example: SABIC® HDPE M80064 - 00900 (TRUCIRCLE™ Bio-renewable UCO) is a TRUCIRCLE™ certified bio-renewable version of fossil feedstock based SABIC® HDPE M80064 - 00900.

The content of this document equally applies to the TRUCIRCLE™ certified circular and bio-renewable variants of fossil feedstock-based SABIC® HDPE M80064 - 00900.

- a) Additional supply sources may be added in the future.
- b) 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>.

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