



Global Product Stewardship Information Sheet

For All COPYLENE™ Grade Polypropylene Resins

Country of Origin

This product is manufactured by Phillips 66 Company in the United States.

U.S. Regulatory Information

Animal Derivatives

Phillips 66 does not intentionally incorporate any adjuvants in the Copylene products that are derived from animals, or any materials of human origin.

Food Allergens

The following list of allergens are not used in the manufacture of or formulation of COPYLENE™ products:

- Aspartame
- Caffeine
- Celery or celery products
- Coconut
- Dairy: Milk (casein) or milk products, dairy products, dairy derivatives, lactose with protein
- Eggs: Eggs or egg products
- Fish: Fish (e.g. cod, salmon) or fish products
- Food colors
- Grains (e.g. rye, barley, oats)
- Hydrogenated vegetable protein (HVP)
- Lupine or lupine products
- Malt
- Mollusks: Mollusks (e.g. snails, clams, squid, octopi) or mollusk products
- Monosodium glutamate (MSG)
- Nuts: Peanuts, peanut oil, any peanut products; tree nuts (almonds, Brazil nuts, chestnuts, filberts, hazelnuts, hickory nuts, macadamia nuts, pecans, pine nuts, pistachios, and walnuts); refined or unrefined oils
- Seeds (e.g. cotton, poppy, sesame, sunflower, mustard) or seed products
- Shellfish: Shellfish, crustaceans (e.g. shrimp, crabs, lobsters, oysters, clams, scallops, crayfish)
- Soy: Soybeans, soy flour, any soy products
- Sulfites
- Wheat (gluten) or wheat products



Coalition of Northeastern Governors (CONEG)

Cadmium, chromium (VI), lead and mercury are not used in the manufacture of or the formulation of COPYLENE™ products. In addition, COPYLENE™ products meet the CONEG requirements of less than 100 parts per million (ppm) for total incidental cadmium, chromium, lead and mercury.

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

COPYLENE™ products do not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

Please note that Phillips 66 has not specifically tested for all these materials in its product(s) and supplier product information has not been verified by testing. The determination is based on supplier information and knowledge of the production processes for these products. Phillips 66 strongly recommends that each customer and/or end user independently determine the suitability of COPYLENE™ product(s) under actual conditions of processing and end-use.

Chemicals of High Concern to Children

State of Maine (MRS Title 38, Chapter 16-D: Toxic Chemicals in Children's Products)

State of Oregon (ORS 431A.258 Oregon Toxic-Free Kids Act)

State of Vermont (Act 188 §1776 Chemical of High Concern in Children's Products Rule)

State of Washington (Children's Safe Products Act (CSPA) Chapter 173-334 WAC)

COPYLENE™ products do not contain any of the substances listed in the above regulations at a level equal to or exceeding the practical quantitation limit (PQL) as determined either through (i) non-use of the substance, (ii) mass balance calculation, or (iii) specific testing.

Consumer Product Safety Improvement Act (CPSIA)

Regarding the Consumer Product Safety Improvement Act of 2008, P.L. 110-314 (the "Act"), COPYLENE™ products do not contain lead at or above the limit of 100 parts per million (ppm) specified in Section 101(a)(2)(C) of the Act. Phillips 66 does not use lead as a raw material in the manufacture of polypropylene.

COPYLENE™ products do not contain phthalates at or above the limit of 0.1% (1000 ppm) specified in Section 108(a) and (b) of the Act.

COPYLENE™ products, as manufactured and distributed by Phillips 66, is not a children's product, children's toy, child care article, or consumer product, and is therefore not subject to the Act. Each person or manufacturer doing business under the Act is responsible for determining the status of its own products under the Act and Phillips 66 makes no representation or warranty in that regard.

Canadian Regulatory Information

Canada Health Protection and Food Branch (HPFB)

Some COPYLENE™ products have "no objection" letters for food contact use issued from HPFB. Please contact your account representative for more information.



CEPA Batches 1-12 Statement

COPYLENE™ products do not contain any of the chemical substances listed in the Canadian Environmental Protection Act, Batches 1-12 as of 26 December 2009.

European Regulatory Information

European Union (EU) Directive - Packaging and Packaging Waste - 94/62/EC (as amended)

Cadmium, chromium (VI), lead and mercury are not used in the manufacture of or the formulation of COPYLENE™ products. COPYLENE™ products meet the year 2001 requirements of less than 100 ppm for total incidental cadmium, chromium (VI), lead and mercury. In addition, this product has the potential to be recycled according to these requirements.

REACH – Substances of Very High Concern (SVHC)

Based on the information provided by the raw material suppliers, COPYLENE™ products do not contain any of the candidate chemical substances proposed to be Substances of Very High Concern listed at: <http://echa.europa.eu/en/web/guest/candidate-list-table>.

Please note that Phillips 66 has not specifically tested for all these materials in its product(s) and supplier product information has not been verified by testing. The determination regarding SVHC is based on supplier information and knowledge of the production processes for these products. Phillips 66 strongly recommends that each customer and/or end user independently determine the suitability of COPYLENE™ product(s) under actual conditions of processing and end-use.

REACH Annex XVII

COPYLENE™ products do not contain any of the chemical substances listed in the Annex XVII to REACH as of 22 January 2018 which includes all the restrictions adopted in the framework of REACH and the previous legislation, Directive 76/769/EEC. This was determined either through (i) non-use of the substance, (ii) mass balance calculation, or (iii) specific testing.

Regulation (EC) N.1895/2005

BADGE, NOGE and BFDGE are not used in the manufacture of or the formulation of COPYLENE™ products according to requirement of Regulation N.1895/2005.

Regulation (EC) No. 1272/2008 Annex VI

COPYLENE™ products do not contain any of the chemical substances classified as a CMR (carcinogen, mutagen, reproductive toxicant).

RoHS

COPYLENE™ products comply with the requirements of Directives 2002/95/EC, 2011/65/EU and Annex II (EU/2015/863). They do not contain any of the following materials exceeding the specified limit as determined either through (i) non-use of the substance, (ii) mass balance calculation, or (iii) specific testing.

- Cadmium (Cd): < 1000 ppm
- Mercury (Hg): < 100 ppm



- Lead (Pb): < 100 ppm
- Hexavalent chromium (Cr6+): < 1000 ppm
- Polybrominated biphenyls (PBB): < 1000 ppm
- Polybrominated diphenyl ethers (PBDE): < 1000 ppm
- Bis(2-Ethylhexyl) phthalate (DEHP): < 1000 ppm
- Benzyl butyl phthalate (BBP): < 1000 ppm
- Dibutyl phthalate (DBP): < 1000 ppm
- Diisobutyl phthalate (DIBP): < 1000 ppm

Phthalates

COPYLENE™ products do not contain any of the substances listed below as determined either through (i) non-use of the substance, (ii) mass balance calculation, or (iii) specific testing.

- Benzyl butyl phthalate (BBP)
- Bis(2-Ethylhexyl) phthalate (DEHP)
- Dibutyl phthalate (DBP)
- Diisononyl Phthalate (DINP)

Energy Recovery - CEN Standard prEN 13431

The calorific gain from polypropylene in an energy recovery process is 24 MJ/kg.

Cosmetic Act, 76/768/EEC

The product does not contain any of the chemical substances listed in Annex II of the EU Council Directive 76/768/EEC determined through non-use of the substance. However, this product has not been tested for all of these chemical substances.

2008/282/EC Use of Recycled Plastic Material

COPYLENE™ products are manufactured from propylene and ethylene and do not contain recycled materials.

2006/2023/EC Good Manufacturing Practices

The manufacturing process for COPYLENE™ products complies with the good manufacturing practices set out in this regulation and its amendments.

EU 2019/1021 Persistent Organic Pollutants (POP)

COPYLENE™ grades do not contain any of persistent organic pollutants listed in the June 20, 2019 update of (EU)2019/1021. However, these products have not been tested for these substances.

Global Regulatory Information

Chemical Inventories

All ingredients in COPYLENE™ grades are listed on or exempted from the following chemical inventories:

- United States: Toxics Substances Control Act Inventory (TSCA)
- Canada: Domestic Substances List
- Europe: EINECS/ELINCS replaced by REACH
- Korea: Korean Existing Chemicals List (KECL)



- Australia Inventory of Chemical Substances (AICS)
- Japan: Japanese Inventory of Existing and new Chemical Substances (ENCS)
- 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)
- Taiwan: Taiwan Chemical Substance Inventory (TCSI)

COPYLENE™ products have no special requirements under US TSCA (e.g. consent orders, test rules, 12(b) requirements, etc.).

GADSL Statement

This product does not contain any of the chemical substances listed on the GADSL REFERENCE LIST 2016 version 1 dated February 1, 2016 above the 0.1% standard threshold (or a lower threshold if so designated) as determined either through (i) non-use of the substance, (ii) mass balance calculation, or (iii) specific testing.

Other Supporting Information

Composting - CEN Standard prEN 13432

COPYLENE™ polypropylene grades are not suitable for composting.

Conflict Minerals

COPYLENE™ polypropylene grades are manufactured without the use of columbite-tantalite (tantalum), cassiterite (tin), wolframite (tungsten) or gold. However, Phillips 66 does not test for these specific substances or compounds.

Additionally, we do not manufacture products which contain conflict minerals within the scope of Section 1502. Based on the current operations of Phillips 66, it has no reporting obligations under Section 1502 of Dodd-Frank as implemented by the SEC in the Adopting Release.

Heavy Metals Testing Results

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).

ASTM F963 and EN-71 Statement

COPYLENE™ polypropylene grades comply with the requirements of ASTM F963 and EN-71 with respect to indicated toxicity issues. It is released to the customer as polypropylene pellets, and these pellets are compliant with ASTM F963 and EN-71 to the extent of the manufacture of the polypropylene and contained additives. However, Phillips 66 does not know nor can Phillips 66 control how these pellets are used to manufacture various end-use articles including toys. It is the responsibility of the end-use fabricator to ensure that the manufactured article complies with ASTM F963 and EN-71 in design and application.



Kosher

COPYLENE™ products are not certified Kosher.

Halal

COPYLENE™ products are not certified Halal.

Latex

"Natural rubber latex", "dry natural rubber", "synthetic latex" or "rubber that contains natural rubber" are not added or used in the manufacture of or the formulation of COPYLENE™ products. However, Phillips 66 does not test for these chemical substances.

Acrylamide

Acrylamide (CAS number 79-06-1) is not used in the manufacture of or the formulation of this product. However, Phillips 66 does not test for these chemical substances.

Aromatic Amines

Aromatic amines are not used in the manufacture of or formulation of COPYLENE™ products. However, Phillips 66 does not test for these chemical substances.

Asbestos

Asbestos is not used in the manufacture of or formulation of this product. However, Phillips 66 does not test for this substance.

Azo Dyes and Pigments

Azo dyes and pigments are not used in the manufacture of or the formulation of this product. However, Phillips 66 does not test for these chemical substances.

Azodicarbonamide, or azo(*bis*)formamide

Azodicarbonamide, or azo(*bis*)formamide are not used in the manufacture of or the formulation of this product. However, Phillips 66 does not test for these chemical substances.

Benzotriazole and 2-Mercaptobenzothiazole (MBT)

2-(2H-1, 2, 3-Benzotriazol-2-yl)-4,6-di-tert-butylphenol [also called 2-(2'-Hydroxy-3',5'-di-tert-butylphenyl) benzotriazole] (CAS# 3846-71-7) and 2-Mercaptobenzothiazole [also called 2(3H)-Benzothiazolethione or Benzothiazole-2-thiol or MBT] (CAS# 149-30-4) are not used in the manufacture of or formulation of this product. However, Phillips 66 does not test for these chemical substances.

Bisphenols

COPYLENE™ products do not contain the chemical substances

- Bisphenol A (CAS# 80-05-7)
- Bisphenol AP (CAS# 1571-75-1)
- Bisphenol AF (CAS# 1478-61-1)
- Bisphenol B (CAS# 77-40-7)
- Bisphenol BP (CAS# 1844-01-5)
- Bisphenol C (CAS# 79-97-0)
- Bisphenol C2 (CAS# 14868-03-2)
- Bisphenol E (CAS# 2081-08-5)



- Bisphenol F (CAS# 87139-40-0)
- Bisphenol G (CAS# 127-54-8)
- Bisphenol M (CAS# 13595-25-0)
- Bisphenol S (CAS# 80-09-1)
- Bisphenol P (CAS# 2167-51-3)
- Bisphenol PH (CAS# 24038-68-4)
- Bisphenol TMC (CAS# 129188-99-4)
- Bisphenol Z (CAS# 843-55-0)

BSE/TSE Bovine Spongiform Encephalopathy/Transmissible Spongiform Encephalopathy (Mad Cow Disease)

This product does not contain additives derived from animal sources.

Butylated Hydroxytoluene (BHT) and Butylated Hydroxyanisole (BHA)

BHT and BHA are not used in the manufacture of or formulation of COPYLENE™ products. However, Phillips 66 does not test for these chemical substances.

Chlorinated Paraffins

Chlorinated paraffins, including short-chain chlorinated paraffins, are not used in the manufacture of or the formulation of COPYLENE™ products. However, Phillips 66 does not test for these chemical substances.

Dioxin

Dioxin is not used in the manufacture of or formulation of COPYLENE™ products. However, Phillips 66 does not test for this chemical substance.

Epichlorohydrin

Epichlorohydrin (CAS number 106-89-8) is not used in the manufacture of or the formulation of COPYLENE™ products. However, Phillips 66 does not test for this chemical substance.

Fluorocarbons

Fluorotemlers, Zonyl fluoroadditives (DuPont trade name), perfluorooctane sulfonate (PFOS), perfluorooctanoic acid (PFOA), perfluorochemicals (PFC) or other fluorocarbon substances are not used in the manufacture of or formulation of COPYLENE™ products. However, Phillips 66 does not test for these chemical substances.

Naphthalenes (PCNs), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs) and Polybrominated Terphenyls (PBTs)

Polychlorinated biphenyls (PCBs), polychlorinated terphenyls (PCTs), polychlorinated naphthalenes (PCNs), polybrominated biphenyls (PBBs), polybrominated diphenyl ethers (PBDEs) and polybrominated terphenyls (PBTs) are not added or used in the manufacture of or formulation of COPYLENE™ products. However, Phillips 66 does not test for these chemical substances.

Nonylphenol

Nonylphenol and Nonylphenol ethoxylates are not added or used in the manufacture of or the formulation of COPYLENE™ products. However, Phillips 66 does not test for these chemical substances.



Organo-tin Compounds

Tributyl-tin (TBT), dibutyl-tin (DBT), monobutyl-tin (MBT) or any other organo-tin compounds are not used in the manufacture of or the formulation of this product. However, Phillips 66 does not test for these chemical substances.

Ozone Depleting Chemicals (ODCs)

Class I and Class II ODCs listed in the US Clean Air Act Amendments of 1990 are not added or used in the manufacture of or formulation of COPYLENE™ products. ODCs listed in the Montreal Protocol are not added or used in the manufacture of or formulation of COPYLENE™ products.

Polychlorinated Biphenyls (PCBs), Polychlorinated Terphenyls (PCTs), Polychlorinated Polycyclic Aromatic Hydrocarbons (PAHs)

We do not intentionally add or use the following polycyclic aromatic hydrocarbons (PAHs) in the manufacture of or formulation of COPYLENE™ products. However, Phillips 66 does not test for these substances.

- 1,2-dihydro-acenaphthene (CAS# 83-32-9)
- acenaphthylene (CAS# 208-96-8)
- 9H-fluorene (CAS# 86-73-7) anthracene (CAS# 120-12-7)
- benz(a)anthracene (CAS# 56-55-3)
- benzo(a)pyrene (CAS# 50-32-8)
- benzo(b)fluoranthene (CAS# 205-99-2)
- benzo(e)pyrene (CAS# 192-97-2)
- benzo(ghi)perylene (CAS# 191-24-2)
- benzo(j)fluoranthene (CAS# 205-82-3)
- benzo(k)fluoranthene (CAS# 207-08-9)
- chrysene (CAS# 218-01-9)
- dibenz(a,h)anthracene (CAS# 53-70-3)
- fluoranthene (CAS# 206-44-0)
- fluorene (CAS# 86-73-7)
- indeno(1,2,3-cd) pyrene (CAS# 193-39-5)
- naphthalene (CAS# 91-20-3)
- phenanthrene (CAS# 85-01-8)
- pyrene (CAS# 129-00-0)

Styrene and Polystyrene

Styrene (chemical name: ethenylbenzene) (CAS# 100-42-5) and polystyrene resins are not used in the manufacture of or the formulation of COPYLENE™ products. However, Phillips 66 does not test for these chemical substances.

Tert-Butylhydroquinone (TBHQ- tertiary butylhydroquinone)

TBHQ is not used in the manufacture of or formulation of this product. However, Phillips 66 does not test for these chemical substances.

Vinyl Chloride and Polyvinyl Chloride (PVC)

Vinyl chloride (CAS# 75-01-4) and PVC resins are not used in the manufacture of or the formulation of COPYLENE™ products. However, Phillips 66 does not test for these chemical substances.



Metals: Not Present

COPYLENE™ products do not contain any of the substances listed below as determined either through (i) non-use of the substance, (ii) mass balance calculation, or (iii) specific testing.

- Ag Silver
- As Arsenic
- Au Gold
- B Boron
- Ba Barium
- Cd Cadmium
- Co Cobalt
- Cr Chromium
- Cu Copper
- Fe Iron
- Hg Mercury
- Ir Iridium
- K Potassium
- Li Lithium
- Mn Manganese
- Mo Molybdenum
- Ni Nickel
- Os Osmium
- Pb Lead
- Pd Palladium
- Pt Platinum
- Rh Rhodium
- Ru Ruthenium
- Sb Antimony
- Se Selenium
- Sn Tin
- Tl Thallium
- V Vanadium
- W Tungsten

Nitrosamines

Based on product information in the SDS authoring system, COPYLENE™ products do not contain nitrosamines and their precursors. However, Phillips 66 does not test for these chemical substances.

Non-Use Listing

Phillips 66 Company does not intentionally add or use any of the following compounds during the manufacture of COPYLENE™ products:

- 1,4-Dioxane
- 1-Bromopropane
- 2, 2'-Methylenebis(6-tert-butyl-4-ethylphenol) ("Cyanox 425" CAS# 88-24-4)
- 2-Propanol, 1,3-dichloro-, phosphate (TDCPP) (CAS# 13674-87-8, EC# 237-159-2)
- 2-Propanol, 1-chloro-, phosphate (TCPP) (CAS# 13674-84-5, EC# 237-158-7)
- Asbestos



- Benzophenone (also known as diphenylketone) (CAS# 119-61-9)
- Bromated Flame Retardants
- Butylparaben (CAS# 94-26-8)
- Carbon Tetrachloride
- Components of Human Origin
- Cyclic Aliphatic Bromide Cluster
- Ethyl acrylate (CAS# 140-88-5);
- Eugenyl methyl ether (also known as 4-allylveratrole or methyl eugenol) (CAS# 93-15-2);
- F-Diethanolamine salts of mono- and bis (1 H, 1 H, 2 H, 2 H perfluoroalkyl) phosphates
- Formaldehyde (CAS# 50-00-0)
- Fumigants
- Fungicides
- Fusel oil
- GMOs
- Hexanedioic acid, mixed 4-methyl-2-propylhexyl and 5-methyl-2-propylhexyl and 2-propylheptyl esters (CAS# 1043888-25-0)
- Melamine
- Methylene Chloride
- Myrcene (also known as 7-methyl-3-methylene-1,6-octadiene) (CAS# 123-35-3)
- Nanoparticles
- Nitrites or Nitrosating species
- N-methylpyrrolidone
- nonylphenol ethoxylates
- Pentanoic acid, 4,4-bis [(gamma-omega-perfluoro-C8-20-alkyl)thio] derivatives, compounds with diethanolamine (CAS# 71608-61-2);
- Per- and Polyfluoroalkyl Substances (PFASs)
- Perchlorate or long-chain perfluorocarboxylates (PFCs)
- Perfluoroalkyl substituted phosphate ester acids, ammonium salts
- Perfluorooctanoic acid (PFOA)
- Pesticides
- Pesticides regulated by FIFRA Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)
- Pigment Violet 29
- Polyamides
- Polychlorinated compounds
- Preservatives (other than standard PP stabilizers and anti-acids)
- Propylene glycol
- Polypropylene glycol or polypropylene oxide
- Propylparaben (CAS# 94-13-3)
- Pulegone (also known as *p*-menth-4(8)-en-3-one) (CAS# 89-82-7)
- Pyridine (CAS# 110-86-1)
- Radioactive substances
- Silicone and silicone derivatives
- Styrene (CAS# 100-42-5)
- Sulfur
- Sulfur hexafluoride (CAS# 2551-62-4)
- Synthetic fungicides



- Tallow derivatives
- Tetrachloroethylene, also known as perchloroethylene
- Triclosan (2,4,4'-Trichloro-2'-Hydroxydiphenyl Ether) (CAS# 3380-34-5)
- Toluene (CAS# 108-88-3)
- Tri(nonylphenyl)phosphite (TNPP)
- Trichloroethylene
- Triclosan (2,4,4'-Trichloro-2'-Hydroxydiphenyl Ether) (CAS# 3380-34-5)
- Tris(2-chloroethyl) phosphate (TCEP) (CAS# 115-96-8, EC# 204-118-5)

Notice Regarding Medical Application Restrictions

In no event shall a Phillips 66 Company COPYLENE™ product be used in any connection with the following applications:

- US FDA Class III Medical Device, Health Canada Class IV Medical Device, or European Union Class III Medical Device.
- The manufacture of implanted medical or surgical devices.
- Life-sustaining medical applications.

No Phillips 66 Company COPYLENE™ product should be used in any US FDA Class II Medical Devices or Health Canada Class II or Class III Medical Devices without prior written approval by Phillips 66 Company for each specific product or application.



Disclaimer

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