



Phillips 66 Company
 S524-03 HQ Building
 2331 CityWest Blvd.,
 Houston, TX 77042

Product Stewardship Information Sheet General

For All Copylene™ Grade Polypropylene Resins, Including:

CH005	CM005	CR020CL	GPC080
CH014	CM010G	CR020N	GPC120
CH020-01	CM015G	CR120CL-01	GPC200
CH020XK	CM090L	CR120LN	GPH014
CH040	CM120LN	CR350CL	GPH120
CH120	CM200LN-02	CR350CL-02	GPH120LN
CH120LN	CM350LN	CR350CS-01	GPR350CL-02
CH200LN-02	CM500LN	CR350LN	
CH350		CR750CL-02	
CH350LN		CR750CLS	

Table of Contents

Product Manufacturer:	3
3-A Sanitary Standard Procedure 20-25.	3
Coalition of Northeastern Governors (CONEG)	3
Composting - CEN Standard prEN 13432	3
Conflict Minerals	3
European Union (EU) Directive - Packaging and Packaging Waste - 94/62/EC (as amended)	3
Regulation (EC) N.1895/2005	3
Regulation (EC) No. 1272/2008 Annex VI	3
RoHS	3
RoHS 2 & RoHS 3	4
Phthalates	4
Energy Recovery - CEN Standard prEN 13431	4
Food Allergens	4
Heavy Metals Testing Results	5
Chemicals of High Concern to Children	5
CEPA Batches 1-12 STATEMENT	5

ASTM F963 and EN-71 Statement.....	5
Halal	5
Kosher	5
Latex.....	5
Acrylamide	5
Aromatic Amines.....	6
Asbestos	6
Azo Dyes and Pigments.....	6
Azodicarbonamide, or azo(bis)formamide	6
Benzotriazole and 2-Mercaptobenzothiazole (MBT).....	6
Bisphenols	6
Butylated Hydroxytoluene (BHT) and Butylated Hydroxyanisole (BHA)	7
Chlorinated Paraffins	7
Dioxin	7
Epichlorohydrin.....	7
Fluorocarbons	7
Naphthalenes (PCNs), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs) and Polybrominated Terphenyls (PBTs).....	7
Nonylphenol.....	7
Organo-tin Compounds.....	7
Ozone Depleting Chemicals (ODCs)	7
Polychlorinated Biphenyls (PCBs), Polychlorinated Terphenyls (PCTs), Polychlorinated	8
Polycyclic Aromatic Hydrocarbons (PAHs).....	8
Styrene and Polystyrene	8
Tert-Butylhydroquinone (TBHQ- tertiary butylhydroquinone).....	8
Vinyl Chloride and Polyvinyl Chloride (PVC)	8
Non-Use Listing	8
Disclaimer.....	10
NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS:	10

Product Manufacturer:

This product is manufactured by Phillips 66 Company in Linden, NJ.

3-A Sanitary Standard Procedure 20-25.

The product meets the requirements as specified in 3-A Sanitary Standard Procedure 20-25.

Coalition of Northeastern Governors (CONEG)

Cadmium, chromium (VI), lead and mercury are not used in the manufacture of or the formulation of this product. In addition, this product meets the CONEG requirements of less than 100 ppm for total incidental cadmium, chromium, lead and mercury.

Composting - CEN Standard prEN 13432

This product is not suitable for composting.

Conflict Minerals

Please note that Copylene™ polypropylene grades are manufactured without the use of columbite-tantalite (tantalum), cassiterite (tin), wolframite (tungsten) or gold. However, none of our polymers have been tested for the presence of trace amounts of these minerals.

Additionally, Phillips 66 does not manufacture a product that contains a conflict mineral 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.

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 this product. This product meets 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.

Regulation (EC) N.1895/2005

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

Regulation (EC) No. 1272/2008 Annex VI

“on classification, labelling and packaging of substances and mixtures...”

This product does not contain any of the chemical substances classified as a CMR (carcinogen, mutagen, reproductive toxicant).

RoHS

Restriction of Hazardous Substances in Electric and Electronic Equipment – Directive 2002/95/EC, as amended. The information for RoHS can be found in the "Heavy Metals" (cadmium, chromium, lead, mercury) and the "Polychlorinated Biphenyls (PCBs), Polybrominated bipheyls (PBBs), etc." (PBBs, PBDEs) sections above.

RoHS 2 & RoHS 3

EU RoHS 2 (Directive 2011/65/EU) and Annex II (EU/2015/863)

The listed plastics 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

This product does 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.

Food Allergens

The following list of allergens are not used in the manufacture of or formulation of this product:

- 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

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).

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)

This product does 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.

CEPA Batches 1-12 STATEMENT

This product does not contain any of the chemical substances listed in the Canadian Environmental Protection Act, Batches 1-12 as of 26 December 2009.

ASTM F963 and EN-71 Statement

This product complies 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 particular manufactured article complies with ASTM F063 and EN-71 in design and application.

Halal

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

Kosher

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

Latex

"Natural rubber latex", "dry natural rubber", "synthetic latex" or "rubber that contains natural rubber" is not used in the manufacture of or the formulation of this product.

Acrylamide

Acrylamide (CAS number 79-06-1) is not used in the manufacture of or the formulation of this product. However, we do not test this product for acrylamide.

Aromatic Amines

Aromatic amines are not used in the manufacture of or formulation of this product. However, this product has not been tested for these chemical substances.

Asbestos

Asbestos is not used in the manufacture of or formulation of this product. However, this product has not been tested for this chemical substance.

Azo Dyes and Pigments

Azo dyes and pigments are not used in the manufacture of or the formulation of this product. However, this product has not been tested 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, this product has not been tested 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-*t*-butylphenyl) benzotriazole] (CAS No. 3846-71-7) and 2-Mercaptobenzothiazole [also called 2(3H)-Benzothiazolethione or Benzothiazole-2-thiol or MBT] (CAS No. 149-30-4) are not used in the manufacture of or formulation of this product. However, this product is not tested for these substances.

Bisphenols

This product does not contain the chemical substances

- Bisphenol A CAS Number: 80-05-7
- Bisphenol AP CAS Number: 1571-75-1
- Bisphenol AF CAS Number: 1478-61-1
- Bisphenol B CAS Number: 77-40-7
- Bisphenol BP CAS Number: 1844-01-5
- Bisphenol C CAS Number: 79-97-0
- Bisphenol C2 CAS Number: 14868-03-2
- Bisphenol E CAS Number: 2081-08-5
- Bisphenol F CAS Number: 87139-40-0
- Bisphenol G CAS Number: 127-54-8
- Bisphenol M CAS Number: 13595-25-0
- Bisphenol S CAS Number: 80-09-1
- Bisphenol P CAS Number: 2167-51-3
- Bisphenol PH CAS Number: 24038-68-4
- Bisphenol TMC CAS Number: 129188-99-4
- Bisphenol Z CAS Number: 843-55-0

as determined either through (i) non-use of the substance, (ii) mass balance calculation, or (iii) specific testing.

Butylated Hydroxytoluene (BHT) and Butylated Hydroxyanisole (BHA)

BHT and BHA are not used in the manufacture of or formulation of this product. However, this product has not been tested for these chemical substances.

Chlorinated Paraffins

Chlorinated paraffins, including short-chain chlorinated paraffins, are not used in the manufacture of or the formulation of this product. However, this product has not been tested for these chemical substances.

Dioxin

Dioxin is not used in the manufacture of or formulation of this product. Dioxin is not known to be formed during processing of this product.

Epichlorohydrin

Epichlorohydrin (CAS number 106-89-8) is not used in the manufacture of or the formulation of this product. However, we do not test this product for epichlorohydrin.

Fluorocarbons

Fluorotelomers, 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 this product. However, this product has not been tested for these 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 used in the manufacture of or formulation of this product. However, this product has not been tested for these chemical substances.

Nonylphenol

Nonylphenol and Nonylphenol ethoxylates are not used in the manufacture of or the formulation of this product. However, this product has not been tested 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, this product has not been tested 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 used in the manufacture of or formulation of this product. ODCs listed in the Montreal Protocol are not used in the manufacture of or formulation of this product.

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

We do not intentionally use the following polycyclic aromatic hydrocarbons (PAHs) in the manufacture of or formulation of this product, however, we do not test our resins 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 number 100-42-5) and polystyrene resins are not used in the manufacture of or the formulation of this product. However, we do not test this product for these chemical substances.

Tert-Butylhydroquinone (TBHQ- tertiary butylhydroquinone)

TBHQ is not used in the manufacture of or formulation of this product. However, this product has not been tested for these chemical substances.

Vinyl Chloride and Polyvinyl Chloride (PVC)

Vinyl chloride (CAS number 75-01-4) and PVC resins are not used in the manufacture of or the formulation of this product. However, we do not test this product for these chemical substances.

Non-Use Listing

This product does not contain any of the following substances as determined either through (i) non-use of the substance, (ii) mass balance calculation, or (iii) specific testing.

- 1,4-Dioxane
- 1-Bromopropane
- 2, 2'-Methylenebis(6-tert-butyl-4-ethylphenol) ("Cyanox 425" CAS Number: 88-24-4)
- Asbestos
- Benzophenone CAS(119-61-9)
- Butylparaben CAS(94-26-8)
- Carbon Tetrachloride
- Cyclic Aliphatic Bromide Cluster

- F-Diethanolamine salts of mono- and bis (1 H, 1 H, 2 H, 2 H perfluoroalkyl) phosphates
 - Formaldehyde CAS(50-00-0)
 - Fumigants
 - Fungicides
 - GMOs
 - Hexanedioic acid, mixed 4-methyl-2-propylhexyl and 5-methyl-2-propylhexyl and 2-propylheptyl esters (CAS Number: 1043888-25-0)
 - Melamine
 - Methylene Chloride
 - 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 Reg. No. 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
 - Preservatives (other than standard PP stabilizers and anti-acids)
 - Propylparaben CAS(94-13-3)
 - Sulfur
 - Synthetic fungicides
 - 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
 - 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
 - Components of Human Origin
- The Food and Drug Administration had amended its food additive regulations to no longer allow for the use of seven synthetic flavoring substances and flavor enhancers (adjuvants) as of Oct. 5, 2018, Copylene Polypropylene resins do not contain the following food additives**
- Benzophenone (also known as diphenylketone) (CAS No. 119-61-9);
 - Ethyl acrylate (CAS No. 140-88-5);
 - Eugenyl methyl ether (also known as 4-allylveratrole or methyl eugenol) (CAS No. 93-15-2);
 - Myrcene (also known as 7-methyl-3-methylene-1,6-octadiene) (CAS No. 123-35-3);
 - Pulegone (also known as *p*-menth-4(8)-en-3-one) (CAS No. 89-82-7);
 - Pyridine (CAS No. 110-86-1);
 - Styrene (CAS No. 100-42-5).

Disclaimer

This Product Stewardship Information sheet (“PSI”) is intended for informational purposes only. Phillips 66 Company makes no representations or warranties with respect to the accuracy or completeness of the information contained herein. This information in no way modifies, amends, enlarges or creates any specification or warranty, and ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXCLUDED. The information contained herein relates only to the specific product and/or material designated and may not be valid for such product and/or material used in combination with any other product and/or material. Determination of the suitability and fitness of the specific product and/or material for any particular application is the sole responsibility of the purchaser. Phillips 66 Company shall not be responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or from hazards inherent in the nature of the product and/or material, nor for toxicological effects or industrial hygiene associated with particular use of any product described herein. Purchaser must make its own determination that its use of the product is safe and lawful (except as provided in the certifications set forth herein). Information provided is of the date hereof and Phillips 66 Company assumes no responsibility to update, revise or amend this PSI or the information contained herein.

NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS:

In no event should a Phillips 66 Company COPYLENE™ product be used in any US FDA Class III Medical Device or Health Canada Class IV Medical Device. 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.

Certified by/Contact:

Ming Wu
TS&D Specialist
COPYLENE™ Polypropylene
832-765-1450 (office)
ming.wu@p66.com