



Phillips 66  
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## Product Stewardship Information Sheet General

**For All Copylene™ Grade Polypropylene Resins, Including:**

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

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**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)
  - 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

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## 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.

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