



## Product Stewardship Information Sheet

# CM060

### Product Manufacturer:

This product is manufactured by ConocoPhillips Company in Linden, NJ.

### REACH (Regulation (EC) No. 1907/2006)

Substances of Very High Concern (SVHC)

This product does not contain any of the candidate chemical substances proposed to be Substances of Very High Concern (list dated June 18, 2010) above the 0.1% threshold as stated in REACH (Article 57, Regulation No. 1907/2006) determined either through (i) non-use of the substance, (ii) mass balance calculation, or (iii) specific testing.

### Chemical Inventories:

All ingredients in this product are in compliance with 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)

This product has no special requirements under US TSCA (e.g. consent orders, test rules, 12(b) requirements, etc.).

### Food Contact:

European Union (EU) Food Contact

The composition of this product complies with the following legislations, recommendations or communications for the production of food packaging.

AUSTRIA: "K.V.O." N.476/2003 as amended at last by BGBl - Teil. II - N.325/2007

BELGIUM: "Arrete royal du 5 juillet 2006 (amending Arrete royal du 11 mai 1992 and modifying "Arrete royal du 3 juillet 2005")

DENMARK: Bekendtgørelse N. 1102 (09/11/2006).

FINLAND: "KTM", Paatos 953/2002 of 12.11.2002 (amended by 181/2005 of 10.03.2005)

FRANCE: "Materiaux au contact des aliments et de denre destine a l'alimentation humaine" Brochure n.1227 edition Janvier 1994 as updated.

Arrete du 02 Janvier 2003 (as modified at last by Arrete 19/11/2008).

GERMANY: Bedarfsgegenstaendeverordnung- 30 November 2006 (BGBl I S.2730)

BfR is no longer applicable for this resin



GREECE: AXE Decision n.458/2003 modified by Decision n.330/2005

IRELAND: Statutory Instruments N.542 of 2002.

ITALY: "Decreto Ministeriale del 21/03/1973" amended on 26/4/1993: D.M. N.220 and following updates (last update: D.M. N.174 of 07/11/2008).

LUXEMBOURG: "Reglement Grand-Ducal" du 27/01/2001.

NORWAY: "Kongelig resolusjon" of 11 March 1976 and updated 21/12/1993 N.1381 (Chapter II, Section 11)

PORTUGAL: Decreto-Lei n.º 197/2007 de 15 de Maio, amended by Decreto-Lei n.62/2008 de 31 de Março

SPAIN: Real Decreto N.118 31/01/2003 modified by Real Decreto N.866/2008 of 23/05/2008.

SWEDEN: Food regulation LIVSFS 2003:2 as amended by LIVSFS 2006:20.

THE NETHERLANDS: "Staatscourant n.114 of 15.06.2006.

ENGLAND: "The Plastic Materials and Articles in Contact with Food (England) Regulations 2008," Statutory Instrument 2008 No. 916"

SWITZERLAND: BGVO 817.023.21 of 23 November 2005, as amended.

CZECH REPUBLIC: Regulation of the Ministry of Health N.551/2006 modifying N.38/2001

#### Regulation 1935/2004/EC

This product complies with the applicable sections (Articles 1, 3, 5, 16, and 17) of 1935/2004/EC for resins in contact with food. This product is suitable for food contact as described below and related to Directive 2002/72/EC and its amendments.

The base resin(s) in this product meet(s) the requirements in EU Directive 2002/72/EC and amendments as the monomer(s) is (are) listed without any limitations. The additives are also in compliance with 2002/72/EC and amendments, and none of the additives have specific migration limits (SML).

To fully comply with food regulations in Europe, the overall migration from the final article to food can be no greater than 10 mg/dm<sup>2</sup> as specified in 2002/722/EC and amendments. The overall migration is determined using the procedures in Directives 97/48/EC (amending 82/711/EC) and 85/572/EC for the intended uses. In addition, the migration of the component(s) mentioned above must be checked to ensure compliance to the SML(s). This is the responsibility of the manufacturer of the final article. In addition, the manufacturers must verify that their final article, made according to good manufacturing practices (GMPs), does not modify the organoleptic properties of the food.

2008/282/EC –CM060 is manufactured from propylene and ethylene and does not contain recycled materials and is suitable for food contact applications as defined herein.

2006/2023/EC Good Manufacturing Practices – The manufacturing process for CM060 is compliant with the good manufacturing practices set out in this regulation and its amendments.

#### US Food and Drug Administration (FDA)

The base resin in this product meets the FDA requirements contained in the Code of Federal Regulations in 21 CFR 177.1520(a)(1)(i) and (c)1.1a. According to our information, all other ingredients used in this product meet the requirements of their respective FDA regulations and 21 CFR 177.1520(b). This product meets the FDA criteria in 21 CFR 177.1520 for food contact applications, including cooking, listed under conditions of use A through H in 21 CFR 176.170(c), Table 2 and can be used in contact with all food types as listed in 21 CFR 176.170(c), Table 1.



Canada Health Protection and Food Branch (HPFB)

A letter of "no objection" for food contact use of this product has not been obtained from HPFB.

#### **Tallow**

Tallow derived additives may be used in the manufacture of this product.

#### **Bovine Spongiform Encephalopathy (BSE)/Transmissible Spongiform Encephalopathy (TSE) "Mad Cow"**

This product may contain additives derived from animal sources. Our suppliers have stated that their additives are derived from bovine material. They have assured us that the animal material is sourced only from the United States, Canada and Mexico. The animal material undergoes high temperature hydrogenation and hydrolysis processes followed by further processing (distillation), all at >200 deg. C.

#### **Kosher**

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

#### **Food Allergens**

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

- 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;
- Milk (casein) or milk products, dairy products, dairy derivatives, lactose with protein;
- Eggs or egg products;
- Soybeans, soy flour, any soy products;
- Fish (e.g. cod, salmon) or fish products;
- Shellfish, crustaceans (e.g. shrimp, crabs, lobsters, oysters, clams, scallops, crayfish);
- Mollusks (e.g. snails, clams, squid, octopi) or mollusk products;
- Sulfites;
- Food colors;
- Celery or celery products;
- Wheat (gluten) or wheat products;
- Seeds (e.g. cotton, poppy, sesame, sunflower, mustard) or seed products;
- Aspartame;
- Monosodium glutamate (MSG);
- Caffeine;
- Hydrogenated vegetable protein (HVP);
- Grains (e.g. rye, barley, oats);
- Lupine or lupine products.

#### **European Pharmacopeia (EP)**

This product has not been tested for E.P.

#### **Drug Master File (DMF)**

Information on this product is not listed in a DMF.

#### **US Pharmacopeia (USP)**

This product has not been tested for USP Class VI.



### **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.

### **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.

### **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.

### **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).

### **California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)**

This product presents "no significant risk" for cancer to the people of California. This product contains no substances known to the State of California to cause reproductive toxicity at a level of exposure subject to the requirements of Proposition 65.

### **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.

### **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.

### **Phthalates**

Plasticizers such as phthalates are not used in the manufacture of or the formulation of this product. However, diethyl phthalate (DEP) and diisobutyl phthalate (DIBP) are minor components of the catalyst system used to manufacture some of the base polyolefin resins. This is typical of polypropylene resins produced with high mileage catalysts. These phthalates are "technical support agents" as defined by European Union Directive 2007/19/EC. Historical testing of several resins has identified residual phthalates to be no more than 10-15 ppm. Further testing with food simulants, per general conditions of use as established in European Union Directives 2002/72/EC and 82/711/EEC and their amendments, has shown phthalate migration not detected at a sensitivity of 20 parts per billion. DEP and DIBP have not been determined to be human carcinogens or endocrine disrupters at the low ppm levels possibly present in these resins.



### **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.

### **Bisphenol A**

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

### **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.

### **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.

### **Polychlorinated Biphenyls (PCBs), Polychlorinated Terphenyls (PCTs), Polychlorinated 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.



### **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.

### **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.

### **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.

### **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.

### **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.

### **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.

### **Polycyclic Aromatic Hydrocarbons (PAHs)**

We do not intentionally use the following polycyclic aromatic hydrocarbons (PAHs) in the manufacture of or formulation of this product:

- 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)

However, we do not test our resins for these substances.



**Restriction of Hazardous Substances in Electric and Electronic Equipment (RoHS) – 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 biphenyls (PBBs), etc." (PBBs, PBDEs) sections above.

**Composting - CEN Standard prEN 13432**

This product is not suitable for composting.

**Energy Recovery - CEN Standard prEN 13431**

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

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