



Product Regulatory Overview (PRO) High Density Polyethylene Marlex® HHM 5502

Product Manufacturer

Chevron Phillips Chemical Company LP

Chemical Inventories

All the components of this product are listed on

AUSTRALIA: Australian Inventory of Chemical Substances (AICS)

CANADA: Domestic Substances List (DSL)

PEOPLE'S REPUBLIC OF CHINA: Inventory of Existing Chemical Substances (IECSC)

EUROPEAN UNION: In compliance with EU Seventh Amendment Directive 92/32/EEC

JAPAN: Existing & New Chemical Substances (ENCS) Inventory

KOREA: Existing Chemicals List (ECL)

PHILIPPINES: Philippine Inventory of Chemicals and Chemical Substances (PICCS)

UNITED STATES: Toxic Substances Control Act (TSCA) Chemical Inventory

Food Contact

European Union (EU) Food Contact

All constituents of this product are listed in EU Directive 2002/72/EC relating to plastic materials and articles intended to come into contact with foodstuffs and its later Amendments 2004/1/EC, 2004/19/EC, 2005/79/EC, 2007/19/EC, and 2008/39/EC. It complies with the global and relevant specific migration limits. It is suitable for contact with aqueous, acidic, ethanolic (up to 50%) and fatty foodstuff for any time at room temperature.

This product meets the requirements of Framework Regulation (EC) No. 1935/2004 of The European Parliament and of The Council of 27 October 2004, on materials and articles intended to come in contact with food and repealing Directives 80/590/EEC and 89/109/EEC.

This product is produced in accordance with good manufacturing practice (GMP) as outlined in EU GMP Regulation (EC) No 2023/2006.

U.S. FDA Food Contact

This product meets the requirements for polyolefin resins intended for food packaging applications as described in the FDA olefin polymer regulations 21 CFR 177.1520(c) 3.2a. The resin may be used in contact with all types of food as defined in Table 1, 21 CFR 176.170(c) at use conditions B-H as defined in Table 2, 21 CFR 176.170(c).

China Food Contact

All additives of this product are listed in GB 9685-2008 "Hygienic standards for uses of additives in food containers and packaging materials", and meet the relevant specific migration limits. There are no regulatory food type restrictions on this resin.

It is the responsibility of the converter to verify that the finished article meets both the technical and regulatory requirements of the intended application, and in particular does not modify the organoleptic properties of the food.

U.S. Pharmacopeia (USP)

This product meets the requirements of USP 25 <661> Containers Physicochemical Tests and Polyethylene Containers.

European Pharmacopoeia (EUP)

This product has not been tested under any European Pharmacopoeia guidelines.



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Drug Master File (DMF)

This product is listed in U.S. FDA Type III DMF 1016.

This product is listed in Health Canada DMF 9389.

Kosher

The manufacturer does not certify its resins to be Kosher or in compliance with Kosher requirements.

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

This product is not known to contain any carcinogens or reproductive toxins presently known by the State of California to cause cancer or reproductive toxicity at a level of exposure subject to the requirements of California Proposition 65.

Clean Air Act

This product is in compliance with the federal Clean Air Act, as amended in 1990

Heavy metals, RoHS, WEEE, Waste packaging, CONEG

No heavy metals (i.e., antimony, arsenic, barium, cadmium, chromium, lead, mercury, selenium, or silver) are purposely added to this product in quantities that would violate governmental guidelines. The summation of lead, cadmium, mercury, and hexavalent chromium in this product is less than 20 ppm. No polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), and Deca Brominated Diphenyl Ethers (Deca BDE) are intentionally added to this product. This product therefore meets the relevant requirements of the following Directives or Regulations:

- 2002/95/EC (RoHS)
- 2002/96/EC (WEEE)
- 2002/53/EC (ELV)
- 94/62/EC (Packaging Waste Directive)
- USA CONEG Regulation

Genetically Modified Organisms (GMOs)

This product does not contain genetically modified organisms.

Toys

This product complies with the requirements of ASTM F963 and EN 71-3 and EN71-9.

Absence of Substances and Chemicals

None of the following substances are used in the process nor are they expected to be part of the raw materials used to manufacture this product:

- Acrylamide
- Alkylphenol Ethoxylates, including nonylphenol ethoxylate and octylphenol ethoxylate
- Allergens, such as peanuts, tree nuts, milk, eggs, wheat gluten, soy, fish, and shellfish
- Aromatic amines
- Asbestos
- Azo compounds
- Bisphenol A
- Dioxins and furans



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- Epoxy derivatives (BADGE, BFDGE and NOGE) listed in EU Directive 2002/16/EC and 2004/13/EC.
- Genetically-modified Organisms (GMOs)
- Melamine
- Methyl bromide
- Natural rubber latex, synthetic latex, and dry natural rubber
- Nonyl phenol
- Octyl tin compounds, tributyltin (TBT), and triphenyltin (TPT)
- Ozone-depleting chemicals
- Pentabromodiphenyl ether and Octabromodiphenyl listed in Directive 2003/11/EC
- Phthalates
- Polyaromatic Hydrocarbons
- Polybrominated Diphenyl Ethers (PBDEs)
- Polychlorinated and Polybrominated Biphenyls (PCBs and PBBs)
- Polychlorinated and Polybrominated Terphenyls (PCTs and PBTs)
- Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonates (PFOS)
- Radioactive Substances
- Organo-Tin Compounds
- Tris-Nonylphenol Phosphite
- Vinyl Chloride Monomer (VCM) and Polyvinyl Chloride (PVC)
- Chemicals in CEPA Batches 1-9 Challenge lists
- Chemicals in ECHA SVHC list per REACH

It is the responsibility of the customer to check compliance of the final articles with the relevant legislative and applicable regulatory requirements including their restrictions.

Disclaimer: *Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.*

Additional information on the health and safety aspects of our product is listed in the MSDS of the product.