



Product Regulatory Overview (PRO) K-Resin® KR53 Styrene-Butadiene Copolymer

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: Non-Domestic Substances List (NDSL)

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

EUROPEAN UNION: On the inventory, or in compliance with the inventory

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 resin are listed in Commission Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food. This product complies with the overall and specific migration limits. It is suitable for contact with dry, aqueous, acidic, alcoholic (up to 50%) and fatty foodstuff including milk products for a storage period longer than 24 hours at room temperature and any contact condition that can be considered as less severe, provided a reduction factor of two or above as per EU Directive 85/572/EEC is assigned to the fatty foodstuff.

This product meets the requirements of the Framework Regulation (EC) No. 1935/2004 on materials and articles intended to come in contact with food.

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

U.S. FDA Food Contact

This product meets the specifications of the United States FDA Food Packaging Regulation 21 CFR 177.1640 (polystyrene and rubber modified polystyrene). By virtue of this compliance, this resin may be used as a component of articles for use in contact with food. There are no regulatory food type or temperature restrictions on this resin as defined under 21 CFR 176.170 (c).

This product is produced in accordance with good manufacturing practices (GMP) as outlined in 21 CFR 174.5.

Canada Food Contact

An application for a "Letter of No Objection" is under evaluation by Health Canada.

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.



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U.S. Pharmacopeia (USP)

This product has not been tested under any United States Pharmacopoeia guidelines.

European Pharmacopoeia (EUP)

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

Drug Master File (DMF)

This product is listed on the U.S. FDA Type III Drug Master File 2406.

Animal-Derived Materials / Kosher

No animal-derived materials are used in the manufacture or formulation of this product. Chevron Phillips Chemical Company LP does not certify the resin to be Kosher or in compliance with Kosher requirements.

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

This product, as shipped by Chevron Phillips Chemical Company LP, does not 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)
- 2000/53/EC (ELV)
- 94/62/EC (Packaging Waste Directive)
- USA CONEG Regulation

Toys

This product complies with the requirements of ASTM F963, EN71-3 and EN71-9, and Directive 2009/48/EC.

Trace levels of styrene monomer may be present in this product. However, they are unlikely to be released at a level that would approach the limits given in EN 71-9.

Genetically-Modified Organisms (GMO)

This product does not intentionally contain GMOs. However, one substance used in the manufacturing process may be derived from GMOs. It is expected to be completely consumed by the manufacturing process.



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Residual Monomer

Typical values for styrene residuals in K-Resin[®] SBC products are below 10 ppm.

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
- Butylated Hydroxytoluene (BHT) and Butylated Hydroxyanisole (BHA)
- Dioxins
- Epoxy derivatives listed in EU Directive 2002/16/EC
- Gluten
- Melamine
- Methyl Bromide
- Natural rubber latex and dry natural rubber
- Ozone-depleting chemicals
- 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
- Vinyl Chloride Monomer (VCM) and Polyvinyl Chloride (PVC)

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*



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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.