



REGULATORY INFORMATION DATA SHEET PRODUCT STEWARDSHIP

13R9A

POLYPROPYLENE COPOLYMER

Product Manufacturer

This product is manufactured by Flint Hills Resources in Longview, Texas, U.S.A.

Manufacturing Facility Certifications

The Longview Polypropylene facility is certified to the ISO 9001:2015 Quality standard. Certificate is available upon request.

The Longview manufacturing facility is certified as an OSHA VPP (Voluntary Protection Program) Star Site.

Chemical Inventories

Please see SDS for chemical inventory listings.

Food Contact

US Food and Drug Administration (FDA):

This material meets the FDA requirements outlined in the Code of Federal Regulations 21 CFR 177.1520(a)(3)(i) and (c)3.1a. According to our information, all other ingredients used in the formulation meet their respective FDA regulations and 21 CFR 177.1520(b). Specifically, this product meets the FDA criteria for food contact, except for cooking, under conditions of use C through H as listed in 21 CFR 176.170(c), Table 2.

European Union (EU) Food Contact:

13R9A does not meet the requirements of EU Regulation 10/2011 for food contact as it contains an additive not included in Annex 1.

Ultimately, customers must make their own determination that their use of our product(s) is safe, lawful, and technically suitable for their intended application(s).

Drug Master File (DMF)

This product is listed in DMF#7478. Letters of Authorization for the FDA to reference this DMF can be obtained through the Product Service Specialist.

European Pharmacopoeia (EP)

This product does not pass EP 3.1.6 - Polypropylene for Containers for Parenteral Preparations due to the type and/or amounts of additives in this product's formulation. The resin does pass all other testing criteria set in EP 3.1.6.

US Pharmacopeia (USP)

This product has been certified as a USP Class VI Plastic (USP<88>, Biological Reactivity Tests, *In Vivo*). Endotoxin (USP<85>) testing has also been performed. Certificates are available upon request.

Bioterrorism Act of 2002

The facility manufacturing this product is not required to register with the Bioterrorism Act of 2002 because it is not a food facility.

Tallow/BSE/TSE

Flint Hills Resources does not intentionally use tallow or any other animal derived materials in the formulation of this product.

Kosher

Flint Hills Resources does not certify this resin to be Kosher or in compliance with Kosher requirements.

Heavy Metals (ELV Directive 2000/53/EC)

The quantity of Pb, Hg, Cd, and Cr present in this grade is deemed below the limits given in Annex II (Note) of the Decision 2002/525/EC of June 27th (amending Annex II of Directive 2000/53) which establishes: 0.1% Pb, 0.1% Cr, 0.1% Hg, and 0.01% Cd.

Coalition of Northeastern Governors (CONEG)

Flint Hills Resources does not intentionally use cadmium, chromium, lead, or mercury in the formulation of this product. In addition, this product meets the CONEG limitation of 100 ppm for the total incidental content of cadmium, chromium, lead, and mercury.

Restriction of Hazardous Substances (RoHS)

This product conforms to the RoHS Directive (2011/65/EU) and/or amendments restricting the use of Heavy Metals, PBB's, PBDE's, and phthalates.

European Regulation (EC) No. 1895/2005 (BADGE, BFDGE, NOGE)

Flint Hills Resources does not intentionally use 2,2-bis(4-hydroxyphenyl)propane bis(2,3-epoxypropyl) ether (BADGE), bis(hydroxyphenyl)methane bis(2,3-epoxypropyl)ethers (BFDGE) or novolac glycidyl ethers (NOGE) in the formulation of this product. We do not test this product for these substances.

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

Based on available information this product does not contain any components or chemicals currently known to the State of California to cause cancer, birth defects or reproductive harm at levels which would be subject to Proposition 65. Reformulation, use, or processing of this material may affect its composition and require re-evaluation.

Ozone Depleting Chemicals (ODCs)

Flint Hills Resources does not intentionally use Class I or Class II ODCs listed in the Resolution 1005/2009/EC in the formulation of this product.

Phthalates

Although phthalates are not intentionally added in the formulation of this product, there are phthalates in the final resin as a result of catalyst residues. Analytical testing has been performed on several grades with specific phthalates determined to be in concentrations less than 5 ppm.

Allergens

Flint Hills Resources does not intentionally use allergens - as defined by FDA as Milk, Eggs, Fish, Crustaceans, Wheat, Soy, Peanuts, Tree Nuts - in the formulation of this product.

Genetically Modified Organisms (GMO)

This product may utilize a component produced from material of unknown genetic origin in its formulation.

Additional Substance Information

Flint Hills Resources does not intentionally use any of the following substances in the formulation of this product: “natural rubber latex”, “dry natural rubber”, “synthetic latex”, “rubber that contains natural rubber”, Tin, Tantalum, Tungsten, Gold, Asbestos, Bisphenol A (BPA), Bisphenol S (BPS), Butylated Hydroxyanisole (BHA), Butylated Hydroxytoluene (BHT), Dimethyl Fumarate (DMF), Triclosan, Tris-nonylphenol Phosphite (TNPP), Melamine, Perfluorooctanoic Acid (PFOA), Perfluorooctane Sulfonate (PFOS), Polyvinyl Chloride (PVC), Vinylidene chloride, Alkylphenols (nonyl- or octyl-) or Alkylphenol ethoxylates (nonyl- or octyl-), Nitrosamines, Dioxins, Polycyclic Aromatic Hydrocarbons (PAH), Polybrominated Biphenyls (PBB’s), Polychlorinated Biphenyls (PCB’s), Polybrominated Diphenyl Ethers (PBDE’s), Polybrominated Terphenyls (PBT’s), Polychlorinated Terphenyls (PCT’s), Brominated compounds, Tributyl-tin (TBT), Dibutyl-tin (DBT), Monobutyl-tin (MBT) or any other Organo-tin compounds. We do not test this product for these substances.

Shelf Life

Although Flint Hills Resources does not warranty our resins within any specific length of time, we recommend a shelf life of approximately two years, provided the material has been stored in dry conditions at temperatures below 50°C (122°F) and protected from UV and nitrous oxide exposure. Improper storage conditions can initiate premature degradation of color, odor and physical properties.

European Directive (94/62/EC) Packaging and Packaging Waste

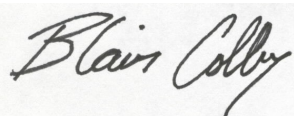
This product conforms to the European Commission Directive 94/62/EC (Article 11) and its amendments on packaging and packaging waste. We recommend proper recycling of our plastics as opposed to disposal of plastic products into landfills. This product is recyclable according to the recycle code 5.

Use of this Regulatory Information Data Sheet

The information provided as requested is intended to be used for informational purposes only. The information is provided on a without prejudice basis and should not be viewed as giving technical advice, instruction, or otherwise. The information is furnished free of charge and is based on Flint Hills Resources' knowledge and understanding. Flint Hills Resources makes no representation or warranty as to the completeness or accuracy of the information contained herein. It is intended for use by persons having technical skill, at their own discretion and risk, who will make their own determination as to its suitability for their purposes prior to use. As with any material, evaluation of any compound under end-use conditions prior to specification is essential. Ultimately, customers must make their own determination that use of this product is safe, lawful, and technically suitable for their intended applications.

This document is effective for one year. If a product formulation revision should change the information provided in this Regulatory Information Data Sheet (RIDS), Flint Hills Resources will notify customers to whom this regulatory sheet was provided by request through the Product Service Specialist. Flint Hills Resources will not notify you should a change in regulation(s) require a change to this RIDS. Flint Hills Resources recommends updating your files with a new RIDS on a yearly basis.

Verified for Flint Hills Resources Longview, LLC by:



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