

July 20, 2021

### **The Regulatory Status of Pinnacle Polymers Products**

Pinnacle's 5000, 6000, and 7000 series random copolymer polypropylene products as marketed by Pinnacle Polymers Company, in natural, uncolored pellet form conform to the following:

#### **FDA regulations**

Pinnacle's random copolymer products are cleared by way of FCN 1538 for use in single- and repeated-use articles intended to contact food. Consult current individual product datasheets for limitations of food type, or conditions of use. FDA has not evaluated use of these copolymers in contact with infant formula or breast milk.

It is, however, the responsibility of the customer to determine that the articles fabricated from these products are acceptable for use in their intended applications.

#### **Country of Origin**

United States of America

#### **Food Allergens**

Products are not formulated to contain, or known to contain, any of the following materials: celery, eggs, fish, milk, mustard, peanuts, sesame seeds, crustacean shellfish, soybeans, sulfites, sulfur dioxide, tree nuts, or wheat. Not known to contain foods listed in EU No 1169/2011.

#### **CONEG – Coalition of Northeastern Governors (Heavy Metals)**

In these products the sum of concentration of lead, mercury, cadmium and hexavalent chromium is less than 100 ppm by weight.

#### **ASTM F963 Standard Consumer Safety for Toy Safety**

These products are not formulated, or known to contain antimony, arsenic, chromium, selenium, or barium.

#### **California Proposition 65**

Please refer to the Safety Data Sheet (SDS) for 5000, 6000, and 7000 series products.

#### **Chemicals of High Concern to Children (CHCC)**

Products are not formulated with, or known to contain, the chemicals of high concern to children as listed by the states of Washington, Oregon, Vermont and Maine; however, our products are not tested for these materials.

#### **Animal Derivatives**

Most products are not formulated, or known to contain animal or tallow based materials. However, to obtain information for a specific product grade, please contact Pinnacle.

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### **Kosher**

Products are not certified Kosher.

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

Information concerning these products is listed in DMF 17038. Contact Pinnacle for a DMF letter of authorization to be sent to the FDA.

### **Substances of Interest**

Products are not formulated with, or known to contain, these substances; however, our products are not tested for these materials:

- 2,4-di-tert-butylphenol or 4-hydroxybenzene
- Acrylamide
- Alkyl Phenol Ethoxylates – Nonyl and Octyl
- Aromatic Amines
- Asbestos
- ATP (Adenosine Triphosphate)
- Azodicarbonamide (ADA)
- Benzophenone
- Bisphenol A (CAS number: 80-05-7)
- Bisphenol F (CAS number 87139-40-0)
- Bisphenol S (CAS number: 80-09-1)
- Butylated Hydroxyanisole (BHA)
- Butylated Hydroxytoluene (BHT)
- Chlorofluorocarbons (CFC's) ozone depleting substances
- Cyanuric Acid
- Decabromodiphenyl ether (Deca-BDE)
- Dimethyl Fumarate (DMF)
- Dioxins
- Elemental Boron or Phosphorus
- Epichlorohydrin
- Flame Retardants in general, which includes:
  - Decabromodiphenyl ethane (DBDPE)
  - Decabromodiphenyl ether (Deca-BDE)
  - Dechlorane Plus (DP)
  - Hexabromocyclododecane (HBCD)
- Formaldehyde
- Gluten
- GMO – Genetically Modified Organisms
- Latex, or natural rubber latex
- Latex related polymers
- Long-Chain Perfluorinated Carboxylic Acid (LC-PFCA)
- Melamine
- Nitrosamines
- Nonylphenol

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- Organo-tin Compounds
- Ozone Depleting Chemicals (ODCs)
- Perfluorooctanoic Acid (PFOA)
- Perfluorooctane Sulfonate (PFOS)
- Perfluorononanoic acid (PFNA)
- Phthalates in general, which includes:
  - Butyl benzyl phthalate (BBP) - (CAS# 85-68-7)
  - Di-isodecyl phthalate (DIDP) - (CAS# 26761-40-0 & 68515-49-1)
  - Di-isononyl phthalate (DINP) - (CAS# 28553-12-0 & 68515-48-0)
  - Di-n-butyl phthalate (DBP) - (CAS# 84-74-2)
  - Di-n-hexyl phthalate (DNHP) - (CAS# 84-75-3)
  - Di-n-octyl phthalate (DNOP) - (CAS# 117-84-0)
  - Di-(2-ethylhexyl) phthalate (DEHP) - (CAS# 117-81-7)
  - Diisobutyl phthalate (DIBP) - (CAS# 84-69-5)
- Polybrominated Biphenyls (PBBs)
- Polybrominated Diphenyl Ethers (PBDEs)
- Polybrominated Terphenyls (PBTs)
- Polychlorinated Biphenyls (PCBs)
- Polychlorinated Terphenyls (PCTs)
- Polyvinyl Chloride (PVC)
- Silicone
- Solvents: benzene, carbon tetrachloride, 1,2-dichloroethane, 1,1-dichloroethene, or 1,1,1-trichloroethane
- Styrene
- Vinyl Chloride
- 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.
- Arsenic
- Perchlorate
- Bisphenol B
- Bisphenol A diglycidyl ether
- 2-Ethoxyethanol
- 2-Methoxyethanol
- N-methyl-2-pyrrolidone
- Toluene
- Phenol, isopropylatedphosphate (3:1)
- Decabromodiphenyl ether
- 2,4,6-tris(tert-butyl)phenol
- Hexachlorobutadiene
- Pentachlorothiophenol
- Polycarbonates

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- Polyhydroxyalkanoates
- Polylactic Acid as a rigid structure

### **Health Canada**

Most products have “no objection” letters issued from HPFB. Contact Pinnacle if you need to obtain this information.

### **RoHS**

Products comply with the requirements of Directives 2002/95/EC, 2011/65/EU and 2015/863. Pinnacle products are not known to contain cadmium, lead, mercury, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers, bis(2-ethylhexyl) phthalate (DEHP), benzyl butyl phthalate (BBP), dibutyl phthalate (DBP), or diisobutyl phthalate (DIBP).

### **European Legislation 1935/2004 Framework Directive EC as amended by 89/109/EEC**

Products comply with relevant requirements.

### **2002/72/EC Plastic Materials and Articles intended to come into contact with food - stuff amended by Commission Directive and all subsequent amendments including 2008/39/EC**

Products comply with relevant requirements. Some additives may not be on the list of authorized substances.

### **REACH Registration**

Pinnacle 5000, 6000, and 7000 series products are registered for EU importation, or use in production of articles to be imported, under registration no 01-2119447103-50-0301, based on Article 20(2) of Regulation (EC) No 1907/2006 ('REACH').

### **94/62/EC Packaging and Waste compliant to heavy metals not to exceed 100ppm**

Products comply.

### **2005/1895/EC BADGE**

Products comply with relevant requirements.

### **2008/282/EC Use of recycled plastic material**

No recycled materials are used in our products.

### **10/2011/EC Monomers and Additives**

Products comply with relevant requirements. Some additives may not be on the list of authorized substances. Contact Pinnacle concerning the identification of any additives having SML requirements for the testing of finished articles.

### **2006/2023/EC Good Manufacturing Practices**

Products comply with relevant requirements.

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**DSL (Domestic Substances List) and Chemical Batches**

The above Pinnacle products are compliant with Canadian DSL and are not known to contain any of the substances listed in the CCMP 12 Batches of Chemicals.

**REACH**

We also confirm that the intentional composition of the above mentioned products do not contain any of the SVHC substances appearing in the REACH candidate list most recently updated by ECHA on July 8, 2021.

**Medical Policy**

**Usage Restrictions:** Pinnacle products shall *not* be used in connection with the following applications:

- The manufacture of any US FDA Class III Medical Device, Health Canada Class IV Medical Device or European Union Class III Medical Device.
- The manufacture of implanted medical or surgical devices.
- Life-sustaining medical applications.

**Conflict Minerals**

“Conflict Minerals” are a source of Tin, Tungsten, Tantalum and Gold (known as 3TGs). Polypropylene products marketed by Pinnacle Polymers contain no known sources of the 3TGs or their derivatives.

*Paul Benenati*

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