



**Formosa Plastics®**

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**Formosa Plastics Corporation, U.S.A.**  
9 Peach Tree Hill Road  
Livingston, NJ 07039  
Telephone: (973)-992-2090

January 29, 2020

**Re: Product General Declarations - Formolon® Suspension Polyvinyl Chloride (PVC) Homopolymer Resins**

Dear Valued Customer:

Formolon® suspension PVC homopolymer resins are manufactured in Formosa Plastics' facilities in Texas and Louisiana. Greater than 99 percent of all materials used in the manufacture of these resins are sourced from domestic suppliers.

Please be advised that, to the best of our knowledge, the ingredients used, manufactured, and processed for Formolon® suspension PVC homopolymer resins do not intentionally contain any of the materials listed below. Based upon our knowledge of the manufacturing process and information provided by our raw material suppliers, we would not expect these substances to be present in our final product. Analysis for these chemicals is not routinely performed. Please note that, as the supplier of the resins, Formosa cannot make any claim with regard to extruded or molded products or components made from them.

**Food Allergens**

Formolon® suspension PVC homopolymer resins do not contain allergenic ingredients such as tree nuts, peanut products, soybean products, egg products, milk products, fish, shell fish, wheat products, sunflower seeds, poppy seeds, sesame seeds, or sulfites.

**Genetically Modified Organisms**

Genetically modified organisms are not used in the formulation or manufacture of Formolon® suspension PVC homopolymer resins.

**Latex**

To the best of our knowledge, the materials used, manufactured, and processed for Formolon® suspension PVC homopolymer resins do not contain natural latex rubber or dry natural rubber.

**Ozone Depleting Substances**

Materials listed in the Clean Air Act Amendments of 1990 (Class I CFC's, Class II HCFC's and the solvents, carbon tetrachloride and 1,1,1-trichloroethane) are not used in the manufacture of Formolon® suspension PVC homopolymer resins.

**Heavy Metals**

These resins comply with the package requirements for heavy metals as set forth by the Coalition of Northeast Governors (CONEG), the California Toxics in Packaging Act and Article 11 of EU Directive 94/62/EC. Lead, cadmium, mercury, and hexavalent chromium

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are not used in the formulation or manufacture of Formolon<sup>®</sup> suspension PVC homopolymer resins. Therefore, the sum of the incidental (non-intentionally added) concentrations of these heavy metals in Formolon<sup>®</sup> suspension PVC homopolymer resins does not exceed the CONEG threshold of 100 parts per million by weight.

### **EU Restriction of Hazardous Substances (RoHS, RoHS 2, RoHS3) Directives 2002/95/EC, 2011/65/EU, 2015/863**

These resins meet the safety and regulatory requirements for certification under this standard. Formosa Plastics Corporation, U.S.A. does not intentionally add lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE) or any of the four designated phthalates (DEHP, BBP, DBP and DIBP) during the manufacture of Formolon<sup>®</sup> suspension PVC homopolymer resins.

### **Pentabromodiphenyl Ether & Octabromodiphenyl Ether**

Pentabromodiphenyl Ether and Octabromodiphenyl Ether are not used in the formulation or manufacture of Formolon<sup>®</sup> suspension PVC homopolymer resins.

### **Phthalates, Bisphenol A (BPA) and Bisphenol S (BPS)**

Phthalates (BBP, DBP, DEHP, DEP, DnHP, DIBP, DIDP, DINP, DNOP), Bisphenol A and Bisphenol S are not used in the formulation or manufacture of Formolon<sup>®</sup> suspension PVC homopolymer resins.

### **Glycidyl Ethers (BADGE, BFDGE, NOGE) – Epoxy Derivatives**

Bisphenol A Diglycidyl Ether (BADGE), Bisphenol F Diglycidyl Ether (BFDGE) and Novolac Glycidyl Ether (NOGE) are not used in the formulation or manufacture of Formolon<sup>®</sup> suspension PVC homopolymer resins. To the best of our knowledge, these resins are in compliance with EC Regulation 1895/2005 for epoxy derivatives.

### **PFOA, PFAS, PFOS, DMF**

Perfluorooctanoic Acid (PFOA), Per- and Polyfluoroalkyl Substances (PFAS), Perfluorooctanesulfonic Acid (PFOS) and Dimethyl Fumarate (DMF) are not used in the formulation or manufacture of Formolon<sup>®</sup> suspension PVC homopolymer resins.

### **Post-Consumer Recycled Materials**

Post-consumer recycled materials are not used in the formulation or manufacture of Formolon<sup>®</sup> suspension PVC homopolymer resins.

Some Formolon<sup>®</sup> suspension PVC homopolymer resins may contain the ingredients listed below. Please refer to the Safety Data Sheet (SDS) for additional information.

### **California Proposition 65**

Formolon<sup>®</sup> suspension PVC homopolymer resins contain minor amounts of residual vinyl chloride monomer (RVCM) which is listed by the State of California under Proposition 65. Vinyl chloride is listed as a carcinogen with a No Significant Risk Level (NSRL) of 3µg/day. Additional information on RVCM is available on the certificate of analysis provided with each shipment.

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Formolon® Suspension PVC compound products use additives contain two components (titanium dioxide and crystalline silica, quartz) that are known to the State of California to cause cancer when inhaled as an unbound respirable particulate. Please refer to the Safety Data Sheet (SDS) for additional information.

### **Organotin Compounds**

Organotin compounds are not used in the formulation or manufacture of Formolon® suspension PVC homopolymer resins. However, organotin heat stabilizers are used in some suspension PVC compound products.

### **Animal Derived Materials (incl. BSE/TSE)**

No animal derived materials are used in the manufacture of Formolon® suspension PVC homopolymer resins. Any resin grades that are listed as meeting European Union and U.S. Food & Drug Administration standards for food contact use are also free from contamination with Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE) agents. Also, to the best of our knowledge, all materials used to clean this equipment and all test materials used in the validation of plant and equipment are similarly compliant.

Formolon® Suspension PVC compound products, however, may contain additives made from animal-derived materials. If you require a Formolon® suspension PVC compound product to be completely free of animal derived materials, please contact your Sales or Technical Service Representative.

As always, *You expect more. And Formosa delivers®*. If you have questions, please contact your Sales or Customer Service Representative.

Sincerely,

/s/

**Claire Guo**

Manager – Product Stewardship  
Environment, Health, Safety & Sustainability

**IMPORTANT NOTICE:**

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.

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