



March 9, 2012

**Re: Product Declaration - Formolon® Suspension Polyvinyl Chloride (PVC) Resins**

Dear Valued Customer:

*Formolon*® suspension PVC resins are manufactured in Formosa's facilities in Texas and Louisiana. Greater than 99 percent of all materials used in the manufacture of these resins are sourced from domestic suppliers. NAFTA Certificates of Origin are available upon request.

Please be advised that, to the best of our knowledge, the ingredients used, manufactured, and processed for *Formolon*® suspension PVC resins do not 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 raw material, Formosa cannot make any claim with regard to extruded or molded products or components made from these resins.

**Food Allergens**

*Formolon*® PVC 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*® PVC resins.

**Latex**

To the best of our knowledge, the materials used, manufactured, and processed for *Formolon*® PVC 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*® PVC 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 are not used in the formulation or manufacture of *Formolon*® PVC resins. The sum of the

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incidental (non-intentionally added) concentrations of these heavy metals in *Formolon® PVC* resins does not exceed 100 parts per million by weight.

### **EU Restriction of Hazardous Substances (RoHS) Directive 2002/95/EC**

These resins meet the safety and regulatory requirements for certification under this standard. Formosa Plastics Corporation does not intentionally add lead, cadmium, mercury, or hexavalent chromium, deca-BDE or polybrominated biphenyls during the manufacture of *Formolon® PVC* resins.

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

Pentabromodiphenyl Ether & Octabromodiphenyl Ether are not used in the formulation or manufacture of *Formolon® PVC* resins. To the best of our knowledge, this product is in compliance with EU Directives 2003/11/EC and 76/769/EEC.

### **Phthalates & Bisphenol A (BPA)**

Phthalates (DEHP, DBP, BBP, DINP, DIDP, DNOP) or Bisphenol A are not used in the formulation or manufacture of *Formolon® PVC* resins.

### **Glycidyl Ethers (BADGE, BFDGE, NOGE)**

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® PVC* resins.

Some *Formolon®* suspension *PVC* resins may contain the ingredients listed below. Please refer to the Material Safety Data Sheet (MSDS) for additional information.

### **California Proposition 65**

*Formolon®* suspension *PVC* products contain < 1 part per million (ppm) of residual vinyl chloride monomer which is listed by the State of California under Proposition 65. Vinyl chloride is listed as a carcinogen with a no significant risk level of 3 µg/day.

### **Organotin Compounds**

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

### **Animal Derived Materials**

Animal derived materials are used in the manufacture of some resin grades. However, these resin grades meet both European Union and U.S. Food & Drug Administration standards for being free from contamination with 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. If you require a resin grade to be completely free of animal derived materials, please contact your Sales Representative.

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As always, *You expect more. And Formosa delivers*<sup>®</sup>. If you have questions, please contact your Sales Representative.

Kind Regards,



Fred W. Neske, CIH, CSP, CFPS  
Manager – Corporate Safety & Industrial Hygiene

**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.