§ 177.2460 Poly(2,6-dimethyl-1,4-phenylene) oxide resins.

The poly(2,6-dimethyl-1,4-phenylene) oxide resins identified in paragraph (a) of this section may be used as an article or as a component of an article intended for use in contact with food subject to the provisions of this section.

(a) Identity. For the purposes of this section, poly(2,6-dimethyl-1,4-phenylene) oxide resins consist of basic resins produced by the oxidative coupling of 2,6-xylenol such that the finished basic resins meet the specifications and extractives limitations prescribed in paragraph (c) of this section.

(b) Optional adjuvant substances. The basic poly(2,6-dimethyl-1,4-phenylene) oxide resins identified in paragraph (a) of this section may contain optional adjuvant substances required in the production of basic resins and may include substances permitted for such use by regulations in parts 170 through 189 of this chapter, substances generally recognized as safe in food, substances used in accordance with a prior sanction or approval, and the following:

<table>
<thead>
<tr>
<th>List of substances</th>
<th>Limitations (expressed as percent by weight of finished basic resin)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylamine</td>
<td>Not to exceed 0.16 percent as residual catalyst.</td>
</tr>
<tr>
<td>Methyl alcohol</td>
<td>Not to exceed 0.02 percent as residual solvent.</td>
</tr>
<tr>
<td>Toluene</td>
<td>Not to exceed 0.2 percent as residual solvent.</td>
</tr>
</tbody>
</table>

(c) Specifications and extractives limitations. The poly(2,6-dimethyl-1,4-phenylene) oxide basic resins meet the following:

(1) Specifications. Intrinsic viscosity is not less than 0.30 deciliter per gram as determined by ASTM method D1243-79, “Standard Test Method for Dilute Solution Viscosity of Vinyl Chloride Polymers,” which is incorporated by...
§ 177.2465 Polymethylmethacrylate/poly(trimethoxysilylpropyl)methacrylate copolymers.

Polymethylmethacrylate/poly(trimethoxysilylpropyl)methacrylate copolymers (CAS Reg. No. 26936–30–1) may be safely used as components of surface primers used in conjunction with silicone polymers intended for repeated use and complying with § 175.300 of this chapter and § 177.2600, in accordance with the following prescribed conditions.

(a) Identity. For the purpose of this section, polymethylmethacrylate/poly(trimethoxysilylpropyl)methacrylate copolymers are produced by the polymerization of methylmethacrylate and trimethoxysilylpropylmethacrylate.

(b) Conditions of use. (1) The polymethylmethacrylate/poly(trimethoxysilylpropyl)methacrylate copolymers are used at levels not to exceed 6.0 percent by weight of the primer formulation.

(2) The copolymers may be used in food contact applications with all food types under conditions of use B through H as described in table 2 of § 176.170(c) of this chapter.

[59 FR 5948, Feb. 9, 1994]